TOSHIBA

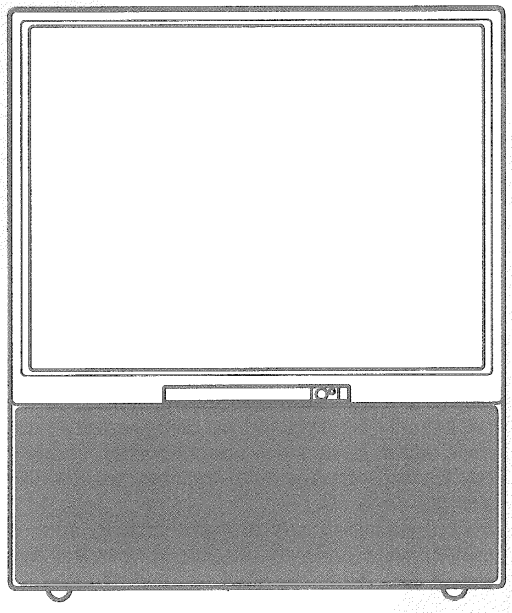
FILE NO. 030-9623

SERVICE MANUAL

COLOUR TELEVISION

C5SS Chassis

48PJ6DG, 55PJ6DG



PRINTED IN JAPAN, Aug., 1996 (So)

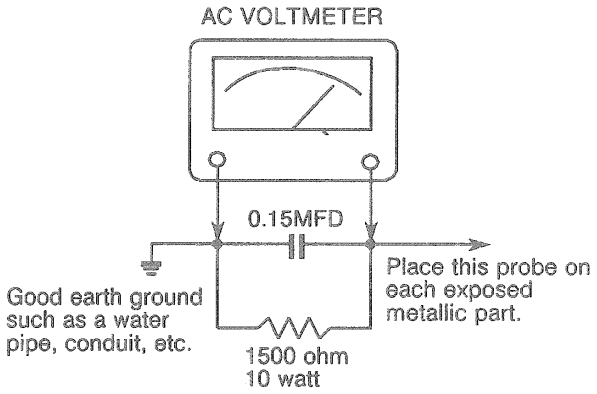
X-RAY RADIATION PRECAUTION

1. Excessive high voltage can produce potentially hazardous X-RAY RADIATION. To avoid such hazards, the high voltage must not be above the specified limit. The nominal value of the high voltage of this receiver is 31.9 kV at zero beam current (minimum brightness) under a 220V AC power source. The high voltage must not, under any circumstances, exceed 32.0 kV.
   Each time a receiver requires servicing, the high voltage should be checked following the HIGH VOLTAGE CHECK procedure in this manual. It is recommended that the reading of the high voltage be recorded as a part of the service record. It is important to use an accurate and reliable high voltage meter.
2. This receiver is equipped with a Fail Safe (FS) circuit which prevents the receiver from producing an excessively high voltage even if the B+ voltage increases abnormally. Each time the receiver is serviced, the FS circuit must be checked to determine that the circuit is properly functioning, following the FS CIRCUIT CHECK procedure in this manual.
3. The only source of X-RAY RADIATION in this TV receiver is the picture tube. For continued X-RAY RADIATION protection, the replacement tube must be exactly the same type tube as specified in the parts list.
4. Some part in this receiver have special safety-related characteristics for X-RAY RADIATION protection. For continued safety, parts replacement should be undertaken only after referring to the PRODUCT SAFETY NOTICE below.

SAFETY PRECAUTION

WARNING : Service should not be attempted by anyone unfamiliar with the necessary precautions on this receiver. The following are the necessary precautions to be observed before servicing this chassis.

1. An isolation Transformer should be connected in the power line between the receiver and the AC line before any service is performed on the receiver.
2. Always discharge the picture tube anode to the CRT conductive coating before handling the picture tube. The picture tube is highly evacuated and if broken, glass fragments will be violently expelled. Use shatter proof goggles and keep picture tube away from the unprotected body while handling.
3. When replacing a chassis in the cabinet, always be certain that all the protective devices are put back in place, such as; non-metallic control knobs, insulating covers, shields, isolation resistor-capacitor network etc.
4. Before returning the set to the customer, always perform an AC leakage current check on the exposed metallic parts of the cabinet, such as antennas, terminals, screwheads, metal overlays, control shafts etc. to be sure the set is safe to operate without danger of electrical shock. Plug the AC line cord directly into a 220V AC outlet (do not use a line isolation transformer during this check). Use an AC voltmeter having 5000 ohms per volt or more sensitivity in the following manner: Connect a 1500 ohm 10 watt resistor, paralleled by a 0.15 mfd, AC type capacitor, between a known good earth ground (water pipe, conduit, etc.) and the exposed metallic parts, one at a time. Measure the AC voltage across the combination of 1500 ohm resistor and 0.15 mfd capacitor. Reverse the AC plug at the AC outlet and repeat AC voltage measurements for each exposed metallic part. Voltage measured must not exceed 0.3 volts RMS. This corresponds to 0.2 milliamp. AC. Any value exceeding this limit constitutes a potential shock hazard and must be corrected immediately.


AC VOLTMETER
0.15MFD
Good earth ground such as a water pipe, conduit, etc.
1500 ohm 10 watt
Place this probe on each exposed metallic part.

PRODUCT SAFETY NOTICE

Many electrical and mechanical parts in this chassis have special safety-related characteristics. These characteristics are often passed unnoticed by a visual inspection and the protection afforded by them cannot necessarily be obtained by using replacement components rated for higher voltage, wattage, etc. Replacement parts which have these special safety characteristics are identified in this manual and its supplements; electrical components having such features are identified by the international hazard symbols on the schematic diagram and the parts list.
Before replacing any of these components, read the parts list in this manual carefully. The use of substitute replacement parts which do not have the same safety characteristics as specified in the parts list may create shock, fire, X-ray radiation or other hazards.

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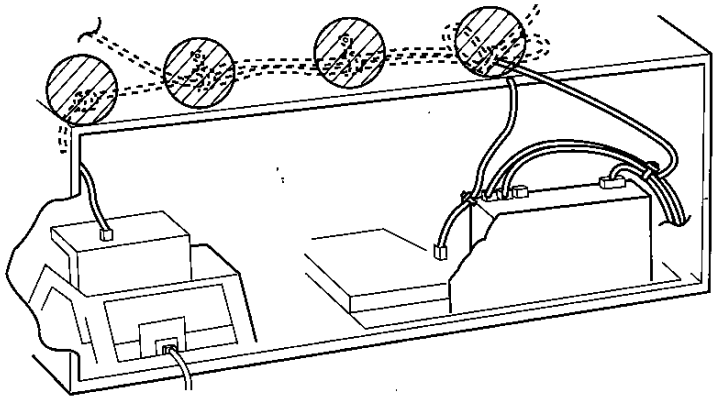
WARNING: BEFORE SERVICING THIS CHASSIS, READ THE "X-RAY RADIATION PRECAUTION", "SAFETY PRECAUTION" AND "PRODUCT SAFETY NOTICE" ON PAGE 2 OF THIS MANUAL.

SERVICE POSITION

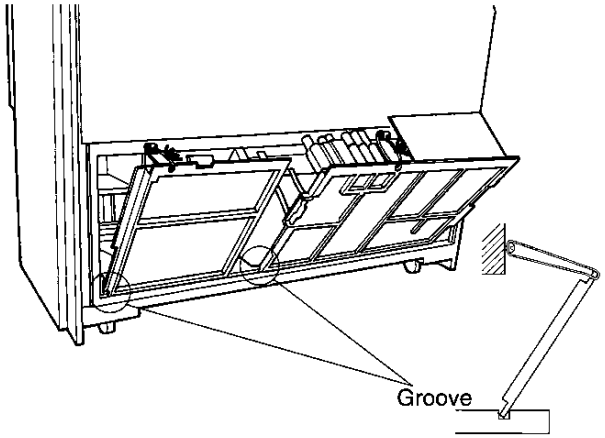
Work procedures are as follows:

1. Remove the back board. (See page 26.)
2. Remove lead wires from holders in ⊘ .
3. Draw out the chassis.
4. Insert the front edge of the chassis into the groove where the back board has been inserted.
5. Put 2 or 3 screws on cabinet by depth of their length for fixing back board, and then, temporarily use them to hold the chassis with wires tied to screws.

After repair work finished, replace it in the opposite procedure.
Note: In order to assure the performance, processed wires shall be replaced after the repair work.



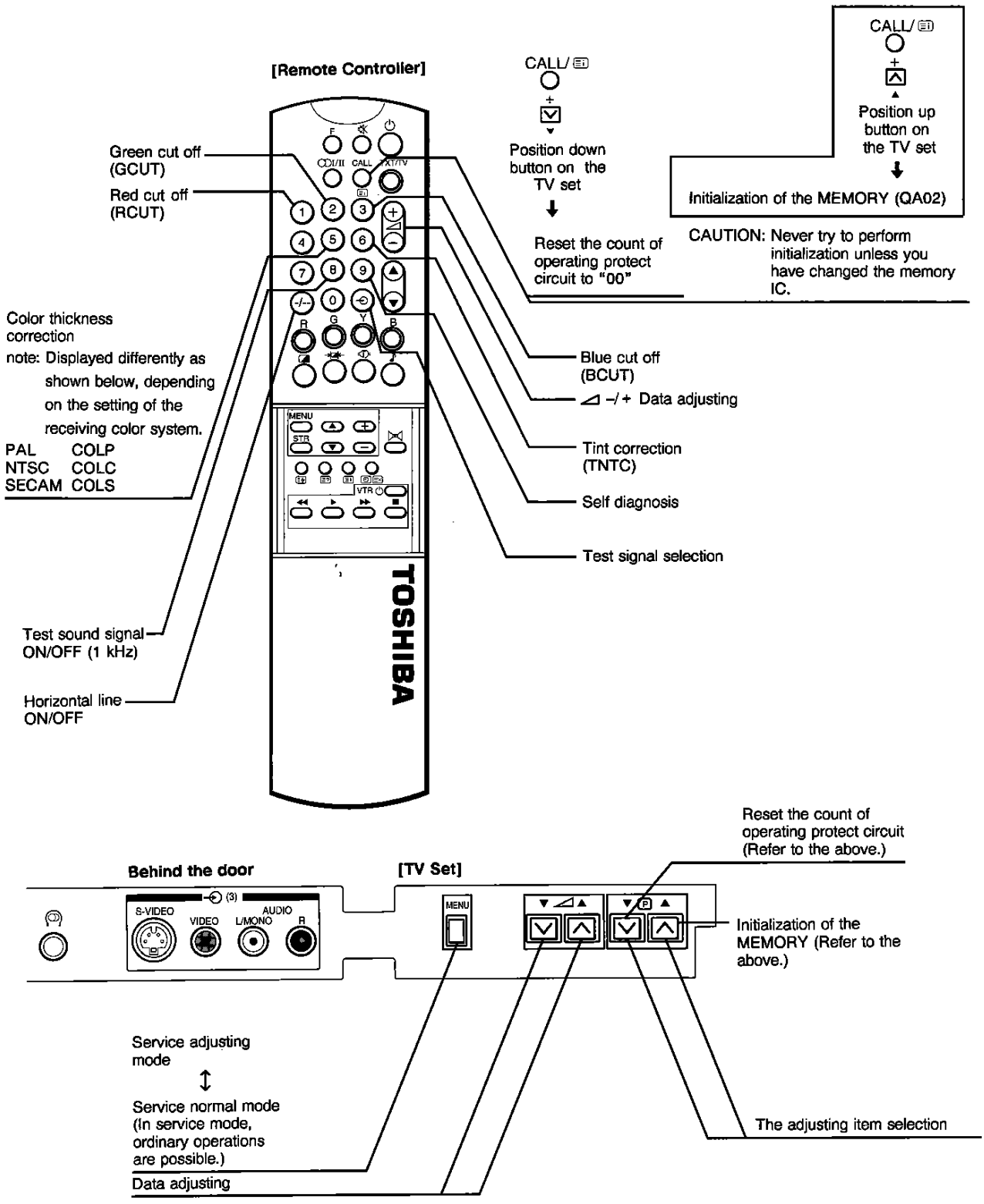
Note: This illustration indicates the locations of the wire holders.



Insert the front of the chassis into the groove.

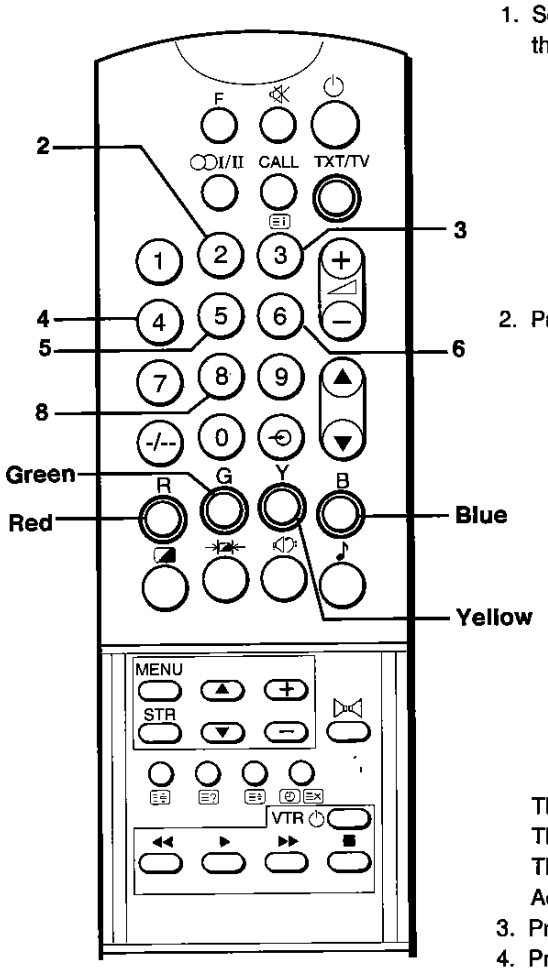
SERVICE MODE

KEY FUNCTION IN THE SERVICE MODE
(See page 6 about convergence adjusting function)


[Remote Controller]
CALL/
Position down button on the TV set
Reset the count of operating protect circuit to "00"
CALL/
Position up button on the TV set
Initialization of the MEMORY (QA02)
CAUTION: Never try to perform initialization unless you have changed the memory IC.
Green cut off (GCUT)
Red cut off (RCUT)
Color thickness correction
note: Displayed differently as shown below, depending on the setting of the receiving color system.
PAL COLP
NTSC COLC
SECAM COLS
Blue cut off (BCUT)
-/+ Data adjusting
Tint correction (TNTC)
Self diagnosis
Test signal selection
Test sound signal ON/OFF (1 kHz)
Horizontal line ON/OFF
TOSHIBA
Reset the count of operating protect circuit (Refer to the above.)
Behind the door
[TV Set]
S-VIDEO
VIDEO
AUDIO L/MONO
R
MENU
Initialization of the MEMORY (Refer to the above.)
Service adjusting mode
Service normal mode (In service mode, ordinary operations are possible.)
Data adjusting
The adjusting item selection

CONVERGENCE ADJUSTMENT

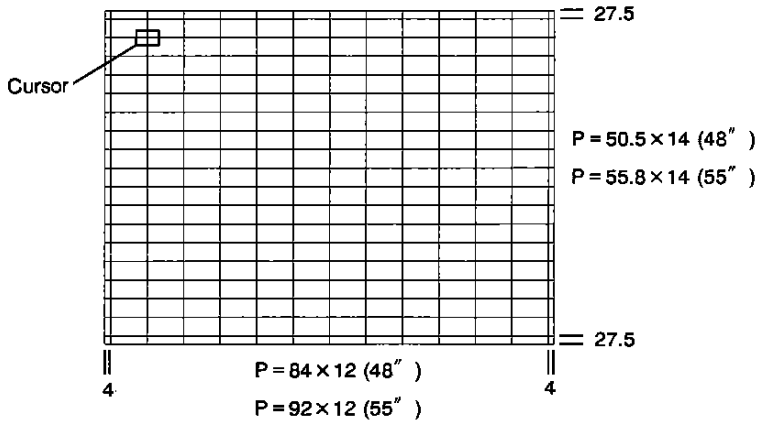
Adjust convergence from center to circumference in order.



1. Select the adjustment mode following the steps on page 5.

RCUT
40H

2. Press "7" button to display the built-in cross-hatch pattern.



The pattern includes three colors (R, G, B).
The cursor should be blinking in Red.
This means that the Red color is adjustable.
Adjustment around cursor can be done.

3. Press "3" button to select Green color to be adjusted.
4. Press "5" button to stop the blinking of cursor.
5. Press "2 (up)", "8 (down)", "4 (left)" or "6 (right)" to obtain the correct cross-hatch pattern as above.
   If necessary, the specified color line can be erased from the screen.
   Red button ..... to erase Red line
   Green button ..... to erase Green line
   Blue button ..... to erase Blue line
6. Press "5" button to make the cursor blinking.
7. Press "2", "8", "4", "6" buttons to move the cursor to other point to be adjusted.
8. Repeat steps 4 to 7.
9. Repeat steps 3 to 8 to adjust Red and Blue colors.
   Converge the selected color line into the Green line.
10. Press "Yellow" button to enter the adjusted states.
    At this time, picture changes for about 1 second.
11. Press "Yellow" button again to return to the normal picture.

Note:
Adjusting procedure in replacing convergence board.

1. User convergence center check. Make sure the best convergence setting is about the center of adjustable range.
2. CENTERING ADJUSTMENT
3. HIT, WID ADJUSTMENT
4. CONVERGENCE ADJUSTMENT

Picture

a) 50 Hz mode (PAL) . . . . Correcting point: Horizontal 8 × Vertical 8 (Arrow marks denote correcting point)

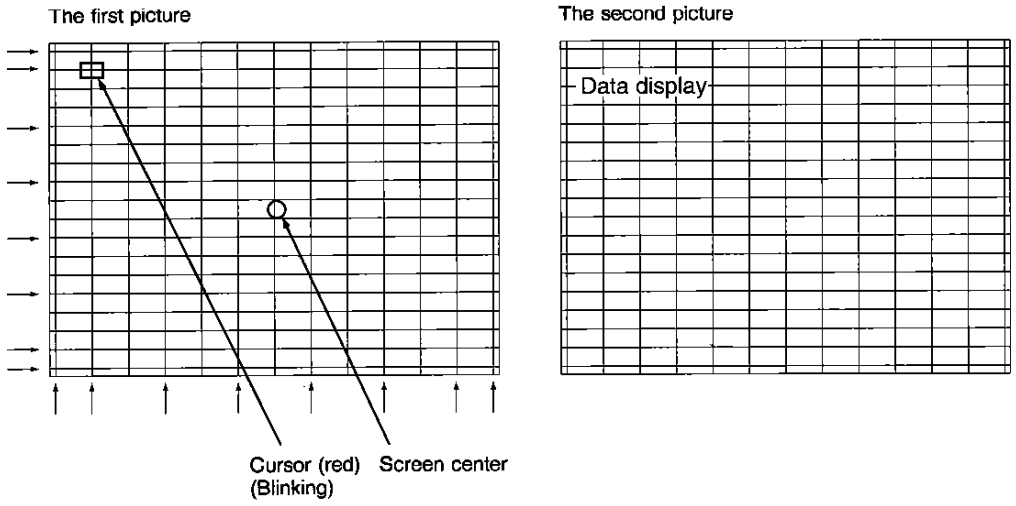


Fig. 14-3

The first picture

Crosshatch pattern. Pattern colors are three color display. Cursor is blinking in red. When changed, condition is last memory state.

Cursor is . . . Data change mode in lighting,
Cursor shifting mode in blinking.

Display color shows the color that data change is possible.

The second picture

When entering from the first picture to the second picture, correcting wave of convergence is muted for one second.
During this period, the changed data is transferred from RAM Q701 to E^2PROM Q713, and saved.

The second picture is indicated with data on top left of the first picture, therefore, convergence cannot be adjusted by this picture.

Caution:

- Receive suitable signal for adjustment. Centering of green picture can be done in 50 Hz mode (PAL).
- Centering of 60 Hz mode (NTSC) can be adjusted by convergence adjustment. Besides, decide the center by cross pattern of static convergence in menu, and adjust convergence from center to circumference.

b) 60 Hz mode (NTSC) . . . . Correcting point: Horizontal 8 × Vertical 7 (Arrow marks denote correcting point)

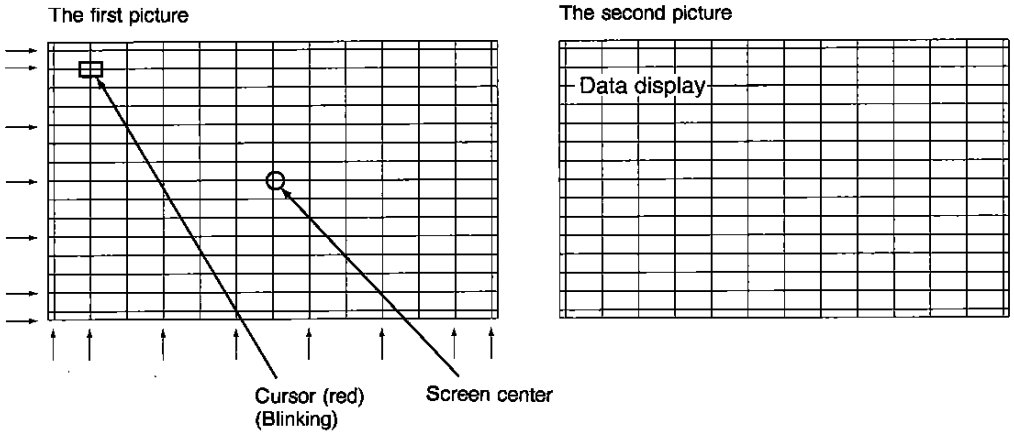


Fig. 14-4

The first picture

Crosshatch pattern. Pattern colors are three color display. Cursor is blinking in red. When changed, condition is last memory state.

Cursor is . . . Data change mode in lighting,
Cursor shifting mode in blinking.

Display color shows the color that data change is possible.

The second picture

When entering from the first picture to the second picture, correcting wave of convergence is muted for one second.

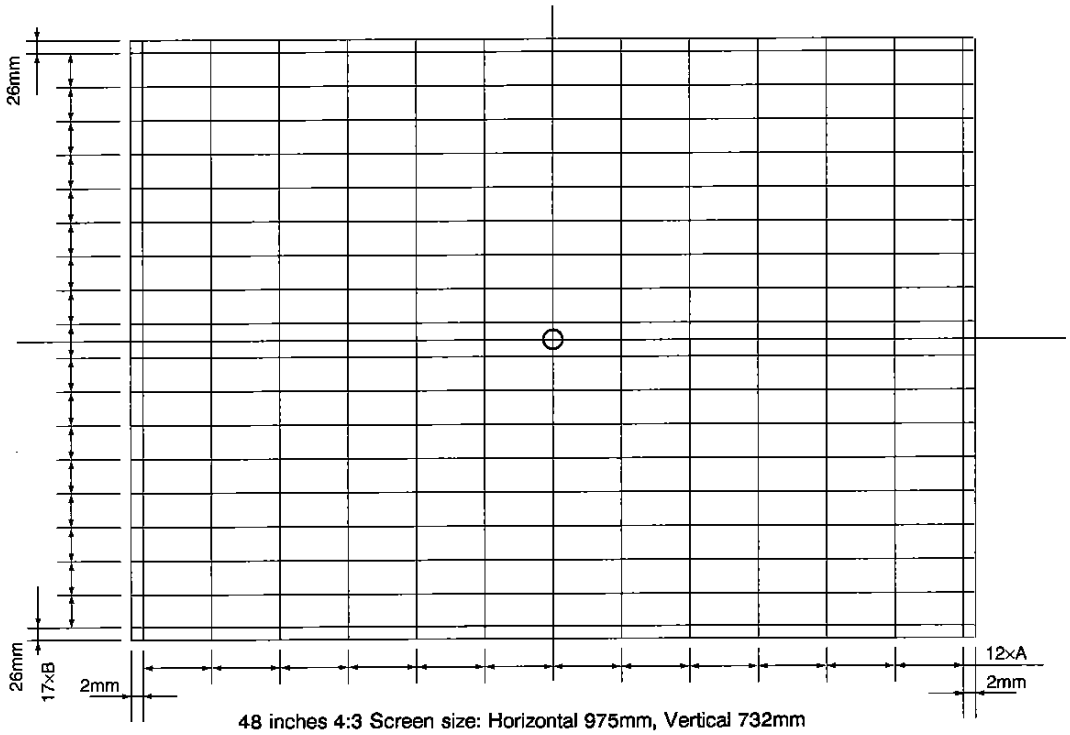
During this period, the changed data is transferred from RAM Q701 to E²PROM Q713, and saved.
The second picture is indicated with data on top left of the first picture, therefore, convergence cannot be adjusted by this picture.

Caution:

- Receive suitable signal for adjustment. Decide the center by cross pattern of static convergence in menu, and adjust convergence from center to circumference.

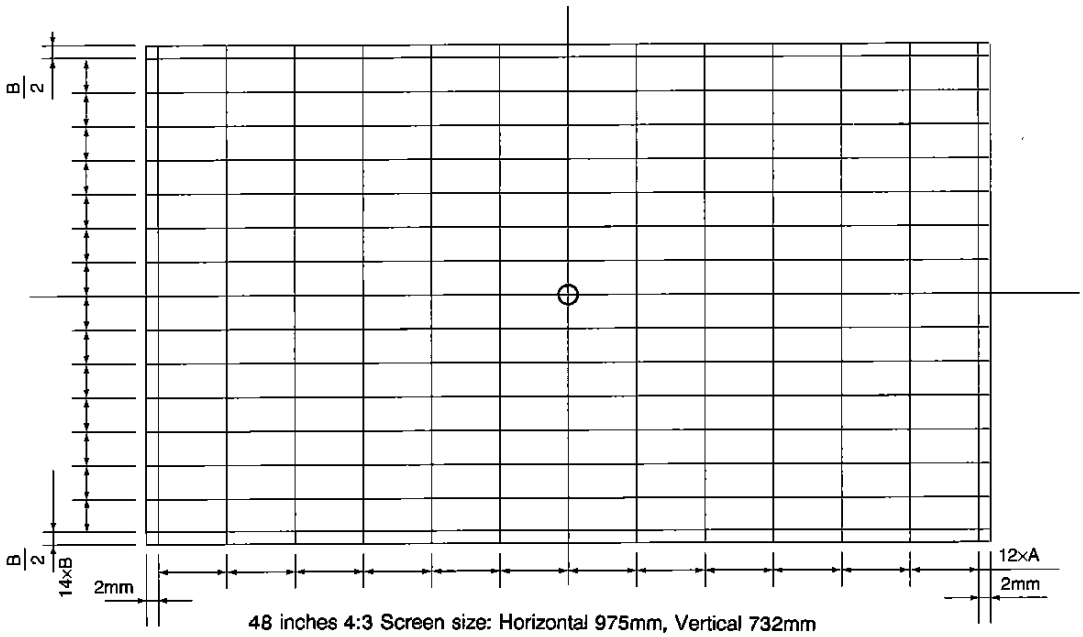
ADJUSTING PICTURE DIMENSION (GREEN PICTURE)

1. 50 Hz mode (PAL)



48 inches 4:3 Screen size: Horizontal 975mm, Vertical 732mm
Dimension A: 80.9mm, Dimension B: 40mm ○mark: center

2. 60 Hz mode (NTSC)



48 inches 4:3 Screen size: Horizontal 975mm, Vertical 732mm
Dimension A: 80.9mm, Dimension B: 48.8mm

Fig. 14-5

NOTES

In many cases, color misconvergence may be corrected by returning HIT and WID data in main deflection side to initial adjusting values. Following cases will surely require readjustment of convergence.

CRT REPLACEMENT

When CRT is replaced, main deflection readjustment and color matching are required.
Perform following procedures.

1. Replace two CRT's of blue and red.
2. Perform horizontal adjustment for blue and red yokes on base of green CRT data. Mount yoke and velocity mod. coil alignment, pushing towards CRT without gap.
3. Adjust alignment of blue and red. (Refer Alignment adjustment for details.)
4. Rotating centering magnet, adjust CRT centers of red and blue to CRT center of green. (Center adjustment)
5. Adjust HIT and WID data of main deflection, and decide data at the most precise screen comparing to green data.
6. Adjust convergence of each screen picture for color matching. Do not move green one at this time.
7. After convergence adjustment of each screen picture finishes, replace green CRT. For green CRT as well, repeat steps 2 to 5 above on bases of red and blue color matching to adjust convergence.

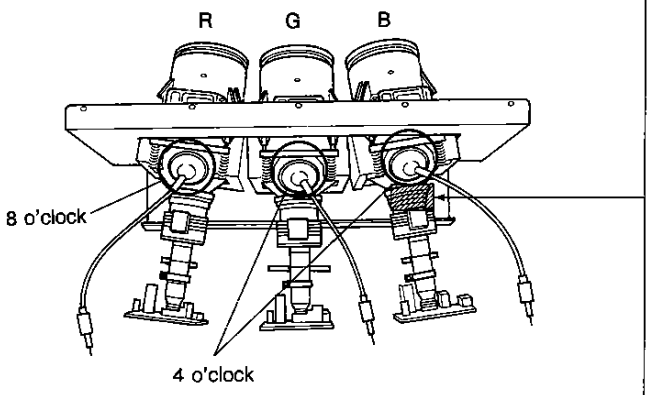
REPLACING CONVERGENCE UNIT

When replacing convergence unit, all picture screens require readjustment basically, but the following method allows process be reduced considerably.

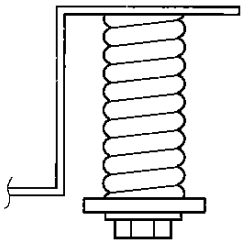
1. Replace the memory (Q713) on defective unit with memory on new unit. Mounting the unit on the SET after the above working realizes picture screen before replacement immediately.
2. Mount unit which has combination of old and new memories, on SET and turn it on. Screen shows whole picture looks like straightly shifted towards vertical or horizontal direction.
3. Adjust again centers of green, red and blue with centering magnets.
4. Check each picture screen for slight disparity of color and picture size. If necessary, add some adjustments of main deflection and color matching of convergence.

CRT ASSEMBLY REPLACEMENT AND MOUNTING

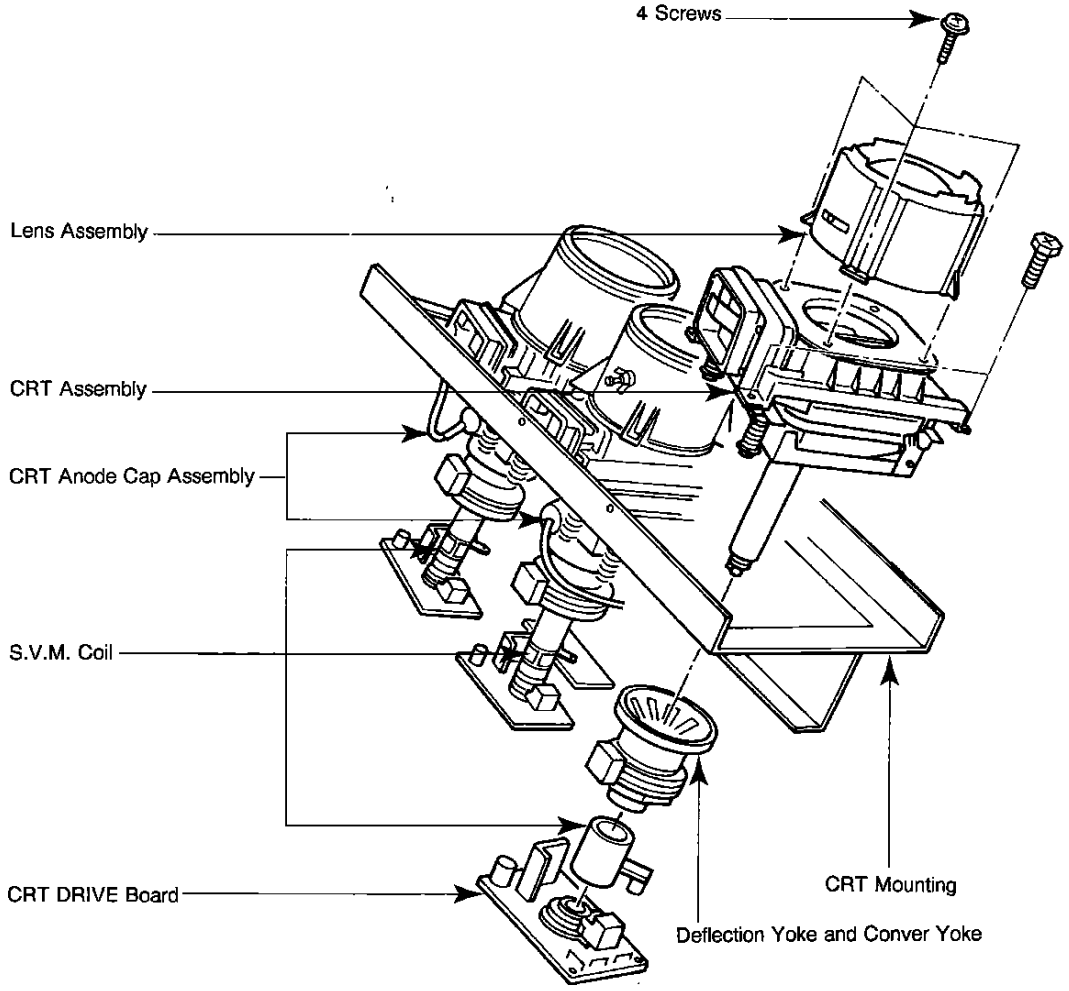
CAUTION : DO NOT LOOSEN THE HEX HEAD BOLTS WITH SPRINGS (12 PCS), BECAUSE THOSE ARE FOR SEALING OF CRT COOLANT.



Attention Serviceman



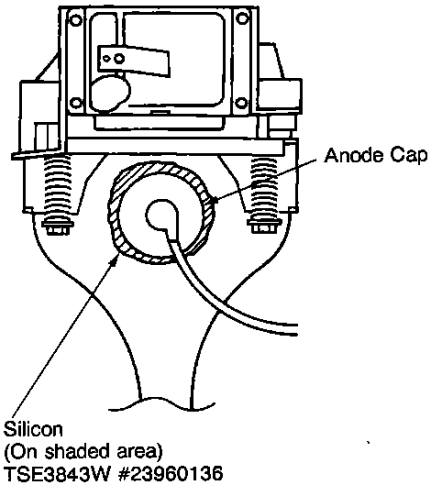
The Hex Head Bolts with Springs. (see sketch) used on CRT assembly, are "NOT" Adjustment Screws DO NOT LOOSEN-FLUID LEAKAGE WILL OCCUR.



Lens and Neck Components View

TO REMOVE CRT (Same procedure for R, G, B)

1. Remove CRT DRIVE Board, S. V. M. COIL and DEF. YOKE from CRT.
2. Remove Lens Assembly.
3. Detach CRT Anode Cap from CRT.
4. Remove CRT Assembly from CRT Mounting.



CRT REPLACEHENT (Same procedure for R, G, B)

Reverse the removal procedures except the followings.

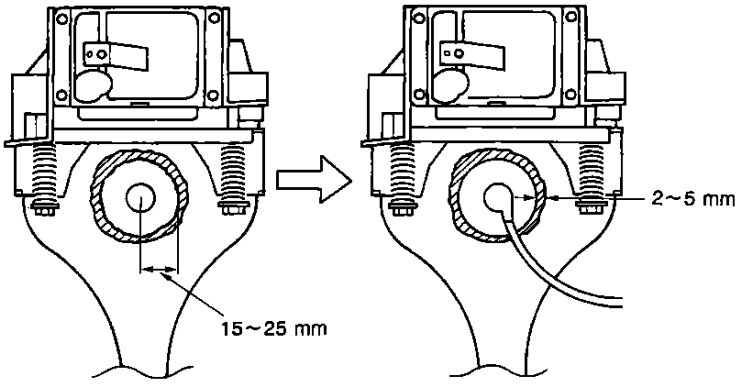
1. Anode Cable should be replaced with new one.
2. Install silicon (T461B) to the CRT, replace the Anode cable and put enough silicon again on around the Anode Cap as illustrated.

CAUTION: Align the Anode cable as illustrated on page 11.

ADJUSTING PROCEDURE IN REPLACING CRT

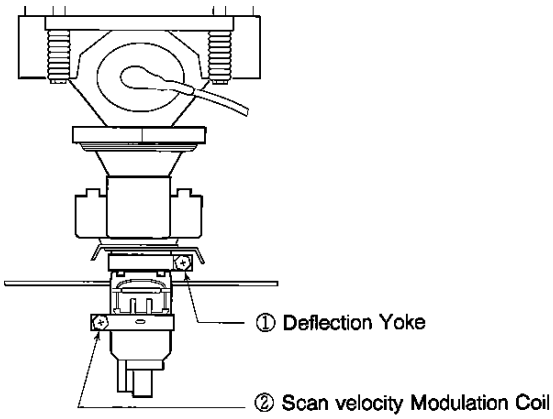
1. R.G.B. FOCUS ADJUSTMENT (page 14.)
2. PICTURE TILT ADJUSTMENT (page 14.)
3. USER CONVERGENCE CENTER CHECK (page 14.)
4. CENTERING ADJUSTMENT (page 14.)
5. CONVERGENCE ADJUSTMENT (page 6.)
6. WHITE BALANCE ADJUSTMENT (page 21.)

Adjustments are complete.

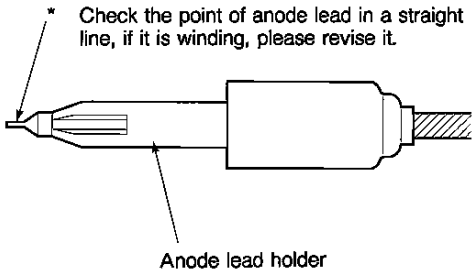


SERVICING PRECAUTION

1. Do not use a magnetized screw driver for screws of Deflection Yoke and Velocity Modulation Coil to avoid magnetization of electron gun.
2. Above caution should be applicable to three CRT's (R, G, B).
3. Magnetization of electron gun will degrade basic function and result in unbalance of right and left shift of user static convergence included in Set Menu, and result in no variable quantity.



IMPORTANT

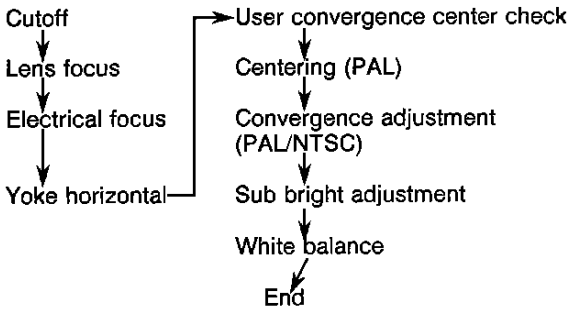


Remove the anode lead holder from old one and attach the holder again to new anode lead when replacing the anode cap assembly (CRT) or anode lead assembly (F.B.T.).

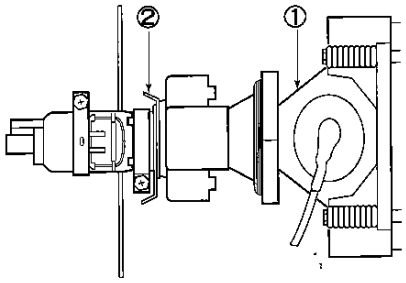
WARNING: BEFORE SERVICING THIS CHASSIS, READ THE "X-RAY RADIATION PRECAUTION", "SAFETY PRECAUTION" AND "PRODUCT SAFETY NOTICE" ON PAGE 2 OF THIS MANUAL.

PICTURE TUBE COMPONENTS ADJUSTMENT

ADJUSTING PROCEDURE IN REPLACING CRT



DESCRIPTION OF NECK COMPONENTS



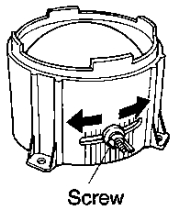
① Deflection yoke and convergence yoke
The position on the neck is required most front (CRT funnel side) and the screw is fastened after rotating yoke adjusting picture tilt.

② Centering magnet
After adjusting picture tilt, picture position is finally fixed by this magnet.
In order to get maximum margin of user convergence control for center of screen, this magnet have to be used for center convergence adjustment.

PREPARATION
Operate the receiver for at least 5 minutes.

R, G, B FOCUS ADJUSTMENT

1. Before adjusting the R, G, B FOCUS, remove the 4 screws of Lens Assembly which is fixed on the CRT Assembly. (See page 11.)
   Then turn around the Lens Assembly by 180° to adjust the fastening screw and fasten the 4 screws to secure Lens Assembly.
2. Select the adjustment mode. (See page 5.)
3. Press "→| ♪ |←" button to display the built-in cross-hatch.
4. Press "🔊" and "♪" buttons to make the picture a single Red color.
   ◪ button ..... to erase Red color
   🔊: button ..... to erase Green color
   ♪ button ..... to erase Blue color
5. Loosen the fasten screw and adjust Red lense focus to best focusing point of picture center. Then fasten the screw.



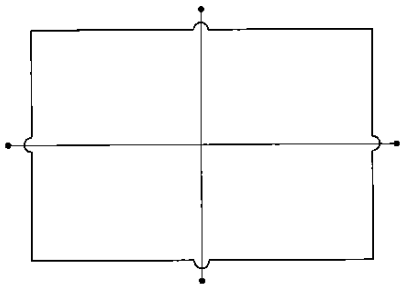
6. Adjust FOCUS VR "R" of FOCUS PAC to find best focusing point of picture center.
7. Repeat steps 3 to 5 for Green and Blue colors.

TILT ADJUSTMENT

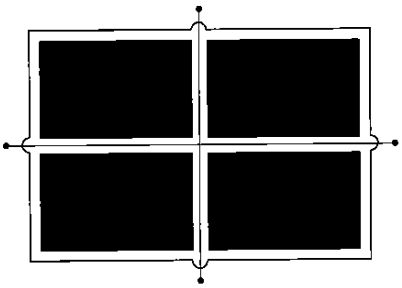
Rotate R, G, B deflection yoke so that picture becomes horizon, then fasten screw.

CENTERING ADJUSTMENT

1. Stretch a thread between two center slots of screen edge (top and bottom, left and right).

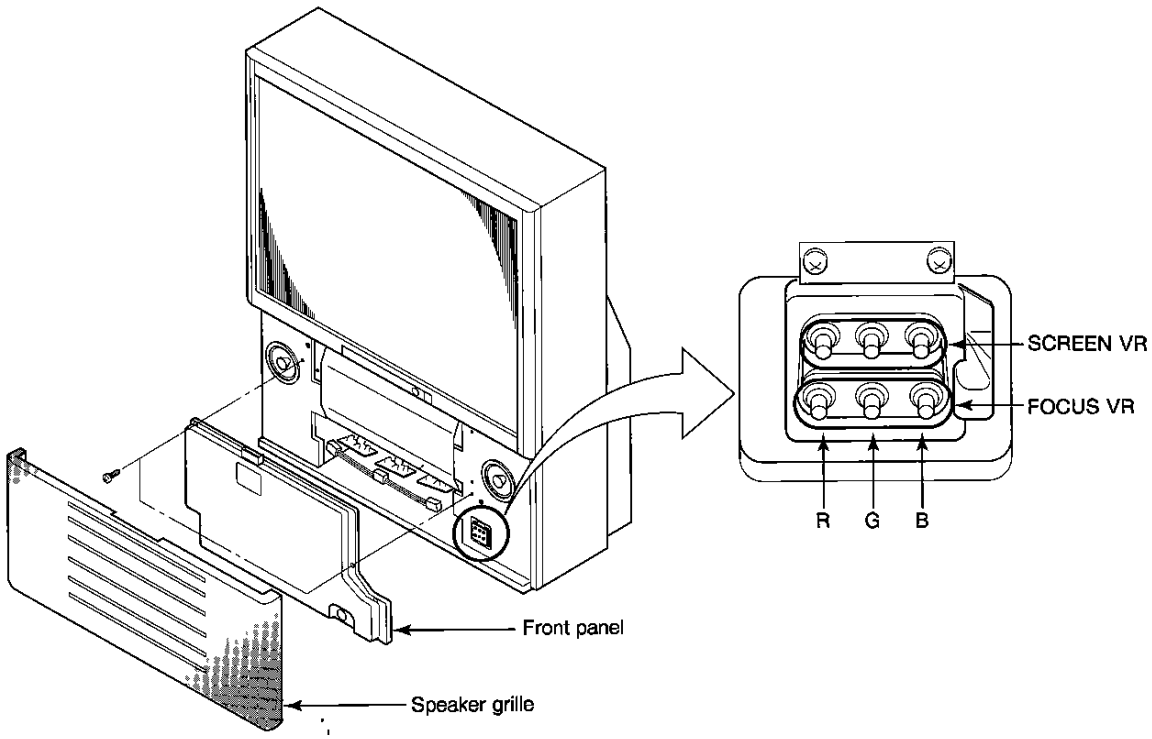


2. Select the adjustment mode. (See page 5.)
3. Press TV/VIDEO button on the Remote Control to display the white cross-bar.



4. Adjust G centering magnet so that the cross-bar pattern center comes to screen center.
5. Perform HEIGHT adjustment . (See page 22.)
6. Perform VERT. LINEARITY adjustment.
7. Perform WIDTH adjustment. (See page 22.)
8. Check whole quality of green line.
9. Adjust R, B centering magnet so that the cross-bar pattern center comes to screen center.

LOCATION OF SCREEN AND FOCUS VR'S



CIRCUIT ADJUSTMENT

DEF/HV BOARD CHECK

HIGH VOLTAGE CHECK

CAUTION: There is no HIGH VOLTAGE ADJUSTMENT on this chassis. Checking should be done following the steps below.

1. Connect an accurate high voltage meter to the anode of the picture tube.
2. Turn on the receiver. Set the BRIGHTNESS and CONTRAST to minimum (zero beam current).
3. High voltage must be below 32.0 kV.
4. Vary the BRIGHTNESS to both extremes to be sure the high voltage does not exceed the limit under any conditions.

CAUTION:
When the following parts fail, check the High Voltage after replacing.

Location No.	Name	Type
T461	Flyback Trans.	TFB3078AD
D489	Zener Diode	MTZJ3.6B or UZ3.6BSB
Q480	Transistor	2SC2023
Q483	IC	TA75558S
R435	Resistor	33k ohm, ±5%
R489	Resistor	3.3k ohm, ±5%
R490	Resistor	3.3k ohm, ±5%
R450	VR	1k ohm
C440	Capacitor	1000pF, ±3%
C443	Capacitor	6800pF, ±3%
C444	Capacitor	5100pF, ±3%

ANODE VOLTAGE MEASURING METHOD

CAUTION: Take extra precaution when measuring this high voltage. High voltages are also present in surrounding circuit boards (CRT DRIVE assembly, DEFLECTION assembly, and POWER SUPPLY assembly).

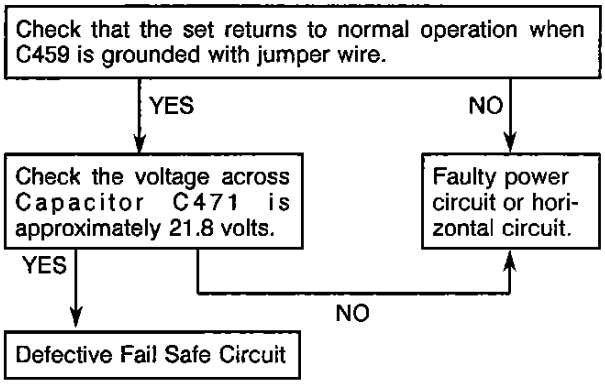
1. Disconnect the FBT anode cable as outlined below. Measure high voltage at the point where the cable enters the FBT.
2. Holding the rubber cover firmly, turn it counterclockwise and check that the lock has been disengaged. (See Fig. b.)
3. Determine the extent of the rubber cover before disconnecting the cable.
4. Pull straight up the anode cable to disconnect.
5. When reconnecting the cable, proceed in the reverse order.
   After reconnecting, tug on the cable to check that it is secure.

FS CIRCUIT CHECK

The Fail Safe (FS) circuit check is indispensable for the final check in servicing. Checking should be done following the steps below.

1. Turn the receiver on.
2. Temporarily short TP-Ⓡ(P416) and TP-Ⓧ(P415) on the DEF/POWER Board with a jumper wire.
   Raster and sound will disappear.
3. The receiver must remain in this state even after removing the jumper wire. This is the evidence that the FS circuit is functioning properly.
4. To obtain a picture again, temporarily turn the receiver off and allow the FS circuit more than 5 seconds to reset. Then turn the receiver on to produce a normal picture.

Troubleshooting Guide for Fail Safe Circuit


Check that the set returns to normal operation when C459 is grounded with jumper wire.
YES
NO
Check the voltage across Capacitor C471 is approximately 21.8 volts.
Faulty power circuit or horizontal circuit.
YES
NO
Defective Fail Safe Circuit

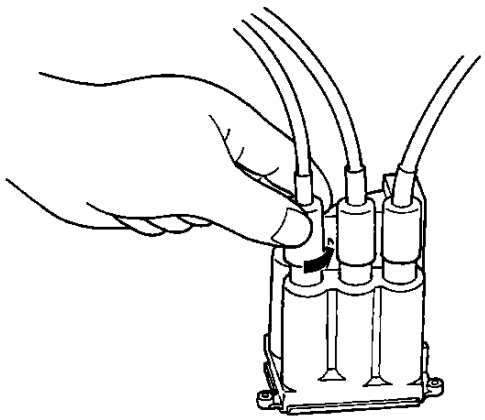


Fig. b

SELECTING THE ADJUSTING ITEMS

1) Every pressing of CHANNEL ▲ button changes the adjustment items in the following order. (▼ button for reverse order.)

Item	Name of adjustment	PRESET DATA	Reference data
RCUT	R CUTOFF	40	←
GCUT	G CUTOFF	40	←
BCUT	B CUTOFF	40	←
RDRV	R DRIVE	40	←
BDRV	B DRIVE	40	←
BRTC	SUB-BRIGHT CENTER	7F	←
TNTC	SUB-TINT CENTER	48	40
COLS	SUB-COLOR CENTER SECAM	2E	←
SCOL	SUB-COLOR	8A	←
COLP	SUB-COLOR CENTER PAL	50	35
SCNT	SUB CONTRAST	7F	09
RGBB	RGB BRIGHTNESS	3F	←
HPOS	50Hz H-POS	0A	←
VPOS	50Hz V-POS	04	←
HIT	50Hz HEIGHT	55	←
HITS	60Hz HEIGHT	00	←
VLIN	50Hz V-LINEARITY	14	←
WID	50Hz PICTURE WIDTH	13	←
NVLI	60Hz V. LIN.	00	←
NWID	60Hz PICTURE WIDE	FE	←
SHIT	16:9 HEIGHT	DE	←
BELL	SECAM BELL	70	←
SRY	SECAM R-Y	08	←
SBY	SECAM B-Y	08	←

ADJUSTING THE DATA

1) Pressing of VOLUME ▲ or ▼ button will change the value of data in the range from 00H to FFH. The variable range depends on the adjusting item.

EXIT FROM SERVICE MODE

1) Press POWER button to turn off the TV once.

INITIALIZATION OF MEMORY DATA OF QA02

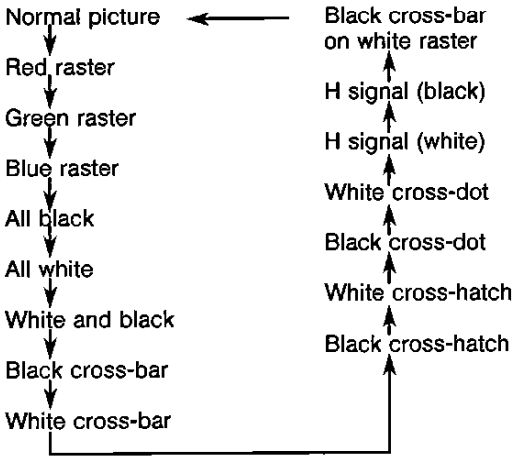
After replacing QA02, the following initialization is required.

1. Enter the service mode, then select any register item.
2. Press and hold the CALL button on the Remote, then press the CHANNEL ▲ button on the TV. The initialization of QA02 has been completed.
3. Check the picture carefully. If necessary, adjust any adjustment item above.
   Perform "AUTO search memory" on the owner's manual.

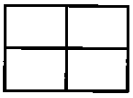
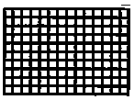
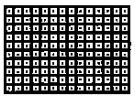
CAUTION: Never attempt to initialize the data unless QA02 has been replaced.

TEST SIGNAL SELECTION

1) Every pressing of TV/VIDEO button on the Remote Control changes the built-in test patterns on screen in the following order.

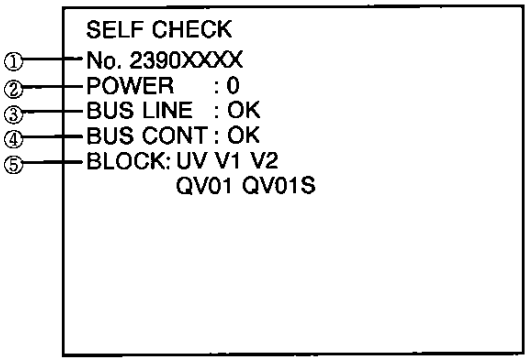


Note: If the video cable is connected to the VIDEO INPUT jack, the built-in pattern signals are not displayed.

Signals	Picture
• Red raster • Green raster • Blue raster • All Black • All White	
• Black & White	
• Black cross-bar • White cross-bar • Black cross-bar on green raster	
• Black cross-hatch • White cross-hatch	
• Black cross-dot • White cross-dot	
• H signal (white) • H signal (black)	

SELF DIAGNOSTIC FUNCTION

1) Press "9" button on Remote Control during display of adjustment menu.
   The diagnosis will begin to check if interface among IC's are executed properly.
2) During diagnosis, the following displays are shown.



① Part number of microprocessor (QA01)
② Operation number of protection circuit (current limiter)
③ BUS line check
- "OK" ..... Normal
- "SCL-GND" ..... SCL-GND short circuit
- "SDA-GND" .... SDA-GND short circuit
- "SCL-SDA" ..... SCL-SDA short circuit

④ BUS line ACK (acknowledge) check
- "OK" ..... Normal
- Display of Location Number (Ex. QA02) ... NG

(Failure place to be displayed)
QA02 NG, Q501NG, H001NG, QG01NG, QV01NG, Q302NG, QZ01NG, H002NG, QQ01NG, HY01NG, QY03NG, QR04NG, QY05NG, Q701NG QT01NG
(QY03NG, QR04NG, QY05NG: IN PIP UNIT)

Note: The indication of failure place is only one place though failure places are plural. When repair of a failure place finishes, the next failure place is indicated. (The order of priority of indication is left side.)

⑤ Sync. signal check
- Green display .. Normal
- Cyan display ... No check
- Red display .... NG

ELECTRICAL ADJUSTMENT

Item	Name	Setting (User control)	Input signal	Measurement point	Adjustment procedure	Adjustment standard
[SCNT]	Sub-contrast	Dynamic mode	Sub-bright signal (PAL-I signal)	Q501#55 (TP501)	Adjust the amplitude from the pedestal level to the white peak.	2.4 ± 0.2 Vop
[BRTC]	Sub-bright center	Dynamic mode	Sub-bright signal	Screen adjustment	1) Adjust the number of collapsed black lines of sub-bright signal. 2) This adjustment shall be done after W/B [SCNT] adjustment.	5 ± 1.5 lines
[COLP]	Sub-color center PAL	Dynamic mode	Sub-bright signal (PAL)	Q501#55 (TP501)	1) Adjustmen the color bar amplitude. 2) Adjust the P-P value of the upper half.	1.35 ± 0.2 Vop
[BELL]	BELL filter		SECAM color bar	QQ01#21 (TPM01)	1) Adjust [BELL] so that the waveform on the synchroscope becomes flat. 2) Perform this adjustment at the white part.	100 ± 10%
[SRY]	SECAM R-Y black level	Dynamic mode	SECAM color bar	Q501#55 (TP501)	1) Adjust [SRY] so that the level of B/W signal becomes the same as the H.BLK level. 2) This adjustment shall be done after [COLS] and [BELL] adjustments.	0 ± 40mV
[SBY]	SECAM R-Y black level	Dynamic mode	SECAM color bar	Q501#55 (TP501)	1) Adjust [SBY] so that the level of B/W signal becomes the same as the H.BLK level. 2) This adjustment shall be done after [COLS] and [BELL] adjustments.	0 ± 40mV
[COLS]	Sub-color center SECAM	Dynamic mode	SECAM color bar	Q501#55 (TP501)	1) Adjust the amplitude of color bar. (Apply picture mute for this adjustment.) 2) Adjust the P-P value of the upper half.	1.75 ± 0.2 Vop

Item	Name	Setting (User control)	Input signal	Measurement point	Adjustment procedure	Adjustment standard
Screen adjustment	Screen	Factory screen adjustment mode		CRT tube surface	1) Make the surrounding as dark as possible. 2) Set to the factory screen adjustment mode. (Y mute, DRV. CUT = 40H) 3) Observing the CRT tube surface directly, adjust the screen VR to the point where the tube starts to be bright. 4) Perform this adjustment for each R, G and B tube.	Point where the tube starts to glow.
Focus adjustment	Focus	Dynamic mode	RETMA (PAL-I)	Screen Adjustment	1) Repeat the electric focus and optical focus adjustments for the best position. 2) As to CRTs other than the one for the adjustment, shield them with a jig. 3) Perform this adjustment for each R, G and B tube.	
[RDRV] [BDRV]	White balance at bright part			Screen adjustment	Adjust the color temperature at the bright part ($103cd/m^2$).	8750K-0.002uv
[RCUT] [BCUT]	White balance at dark part			Screen adjustment	Adjust the color temperature at the dark part ($17cd/m^2$).	8750K-0.002uv
High voltage adjustment	High voltage	Dynamic mode	Phillips pattern (PAL-I)	between T461 and Z450	Connect a high-voltage meter in between T461 and Z450, and adjust high voltage. (user adjustment standard)	30.7 ± 0.2kV
Vertical position adjustment		Dynamic mode	Phillips pattern (PAL-I)	Screen adjustment	1) Adjust the centering magnet so that the vertical position comes to the center of the dummy screen (cross pattern). 2) Do not change [VPOS] data.	
Horizontal position adjustment		Dynamic mode	Phillips pattern (PAL-I)	Screen adjustment	1) Adjust the centering magnet so that the horizontal position comes to the center of the dummy screen (cross pattern). 2) Do not change [HPOS] data.	

Item	Name	Setting (User control)	Input signal	Measurement point	Adjustment procedure	Adjustment standard
[HIT] [VLIN]	Vertical amplitude adjustment	Dynamic mode	Phllips pattern (PAL-I)	Screen adjustment	Adjust the vertical amplitude so that the top and bottom flags disappear. (Align the vertical center of the pattern with the center mark of the mask.)	
[SHIT]	The frame of 16:9 adjustment	Dynamic mode Compression mode	Phillips pattern (PAL-I)	Screen adjustment	Adjust in the frame of 16:9 of the dummy screen.	
[WID]	Horizontal amplitude adjustment	Dynamic mode	Phillips pattern (PAL-I)	Screen adjustment	Adjust the horizontal amplitude so that the left and right flags disappear.	

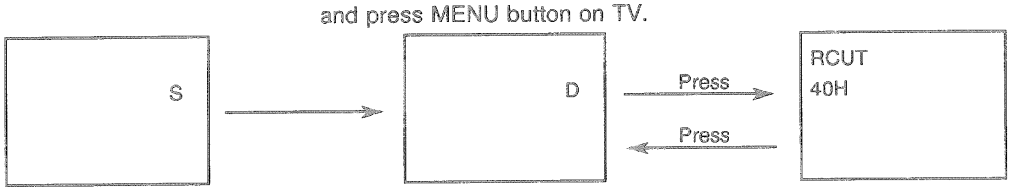
Unit adjustment : DIGITAL-CONVER

Item	Name	Setting (User control)	Input signal	Measurement point	Adjustment procedure	Adjustment standard
PLL frequency adjustment				Q709 emitter	1) Apply the following voltages to the respective terminals of P701. +5V to the terminals #15 and #16 +9V to the terminal #13 – 9V to the terminal #14 2) By L719, adjust the frequency of the emitter Q709.	32 ± 0.1Mhz

DESIGN MODE

1. ENTERING TO DESIGN MODE

1) Select the Service mode. 2) Keep pressing CALL button on Remote and press MENU button on TV. 3) Press MENU button on TV.



When QA02 is initialized, "OPT0" and "OPT1" of DESIGN MODE ADJUSTMENTS are set to the data of the representative model of this chassis family. Therefore, because ON-SCREEN specification remains in the state of this model. 48PJ6DG, 55PJ6DG are required to reset the data of "OPT1".

2. SELECTING THE ADJUSTING ITEMS

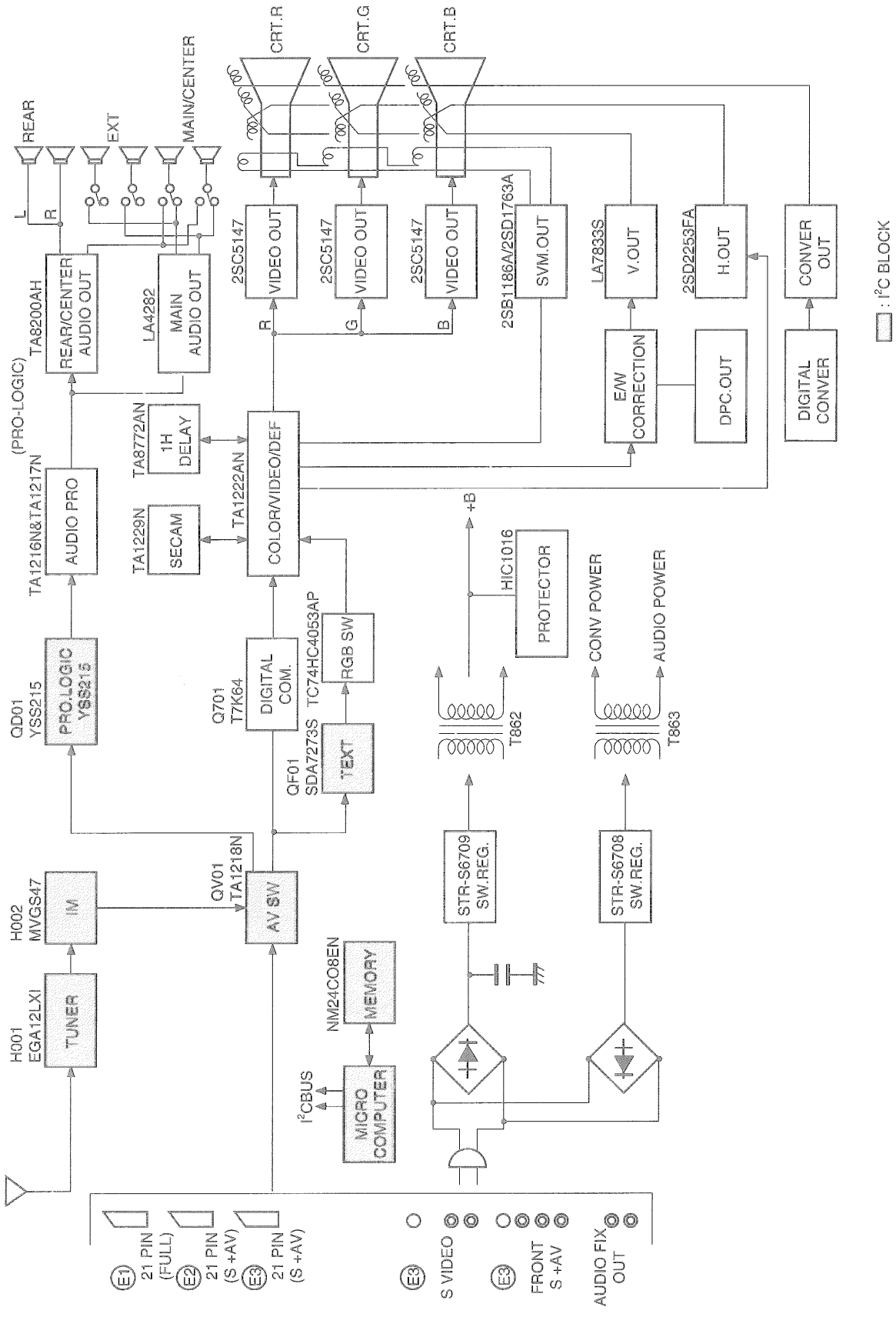
Every pressing of CHANNEL ▼ button changes the adjustment items in the following order.
(▲ button for reverse order.)

Item	Name of adjustment	Data		Remarks
		Preset Data	48PJ6DG 55PJ6DG	
RCUT				
OPT1	OPTION 1	A6	86	
OPT0	OPTION 0	02	←	
OSD				
⋮				
RCUT				

3. ADJUSTING THE DATA

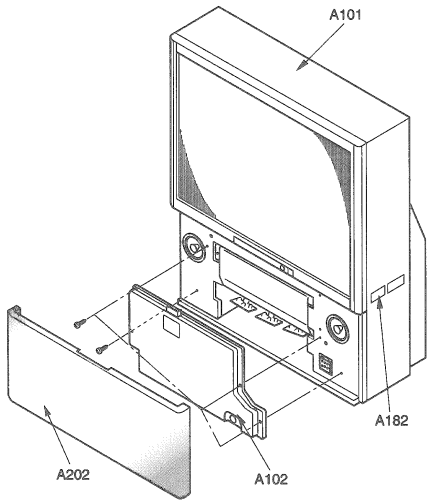
Pressing of VOLUME ▲ or ▼ button will change the value of data.

CHASSIS BLOCK DIAGRAM

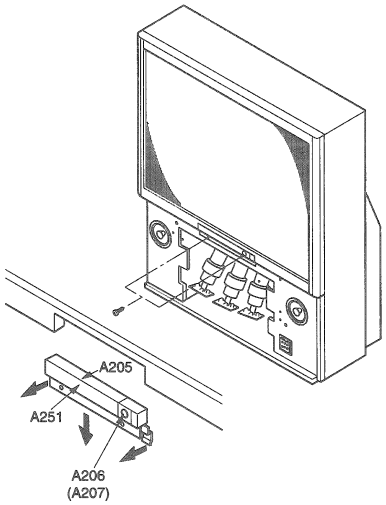


MECHANICAL DISASSEMBLY

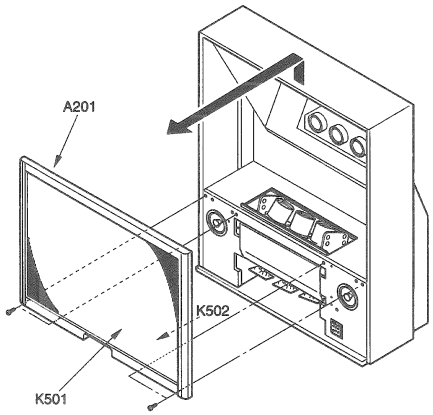
1 Speaker Grille Removal



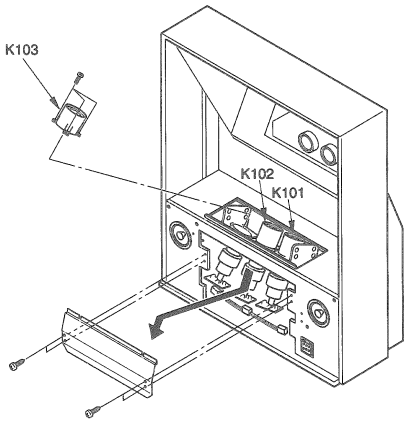
2 Control Panel Removal



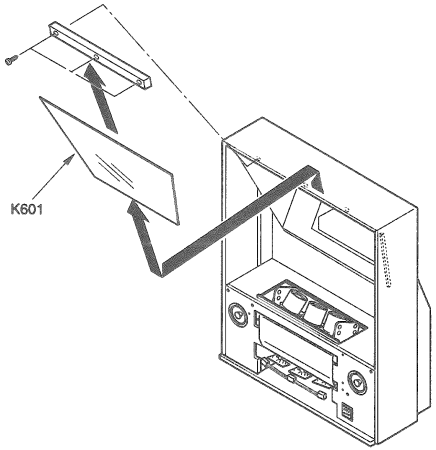
3 Front Mask Removal



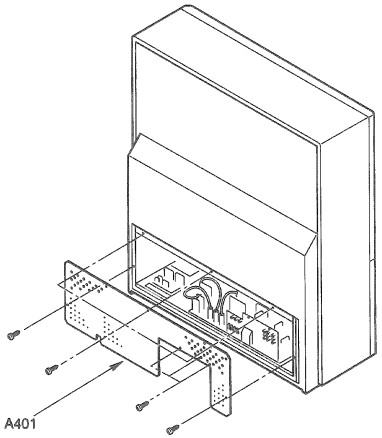
4 Shield Plate, Lens Removal



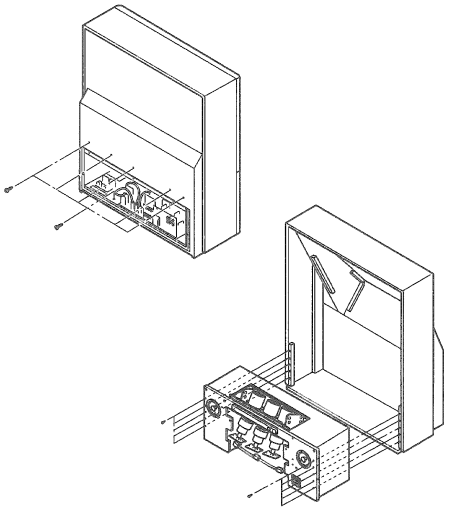
5 Mirror Removal



6 Back Board Removal

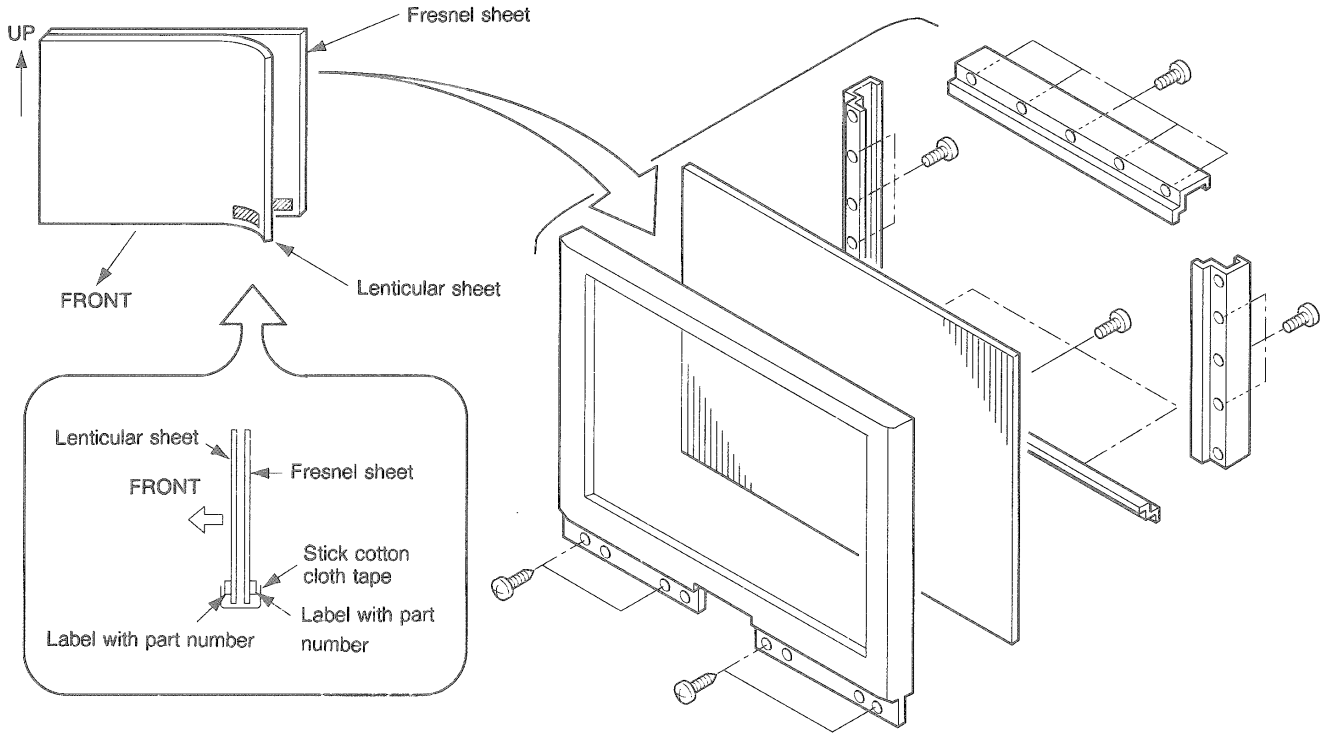


7 Light Box Removal



ASSEMBLING OF FRONT SCREEN

MOUNTING OF FRONT SCREEN



CLEANING OF LENS AND MIRROR

CAUTION : Do not hold the optical system parts (lens and mirror) with bare hand to avoid fingerprints on the surface of those parts.

HOW TO CLEAN LENS AND MIRROR

1. Be sure to remove sand dust with an air brush, etc.
2. When it is stained slightly, breathe upon it and wipe away with the specified cleaning cloth.
   For other stains than the above, wipe the stains away with the specified cloth into which a cleaning liquid has been soaked.

Cleaning liquid ..... **LENS LUSTER** (Manufactured by Edmund Scientific Co.), etc.

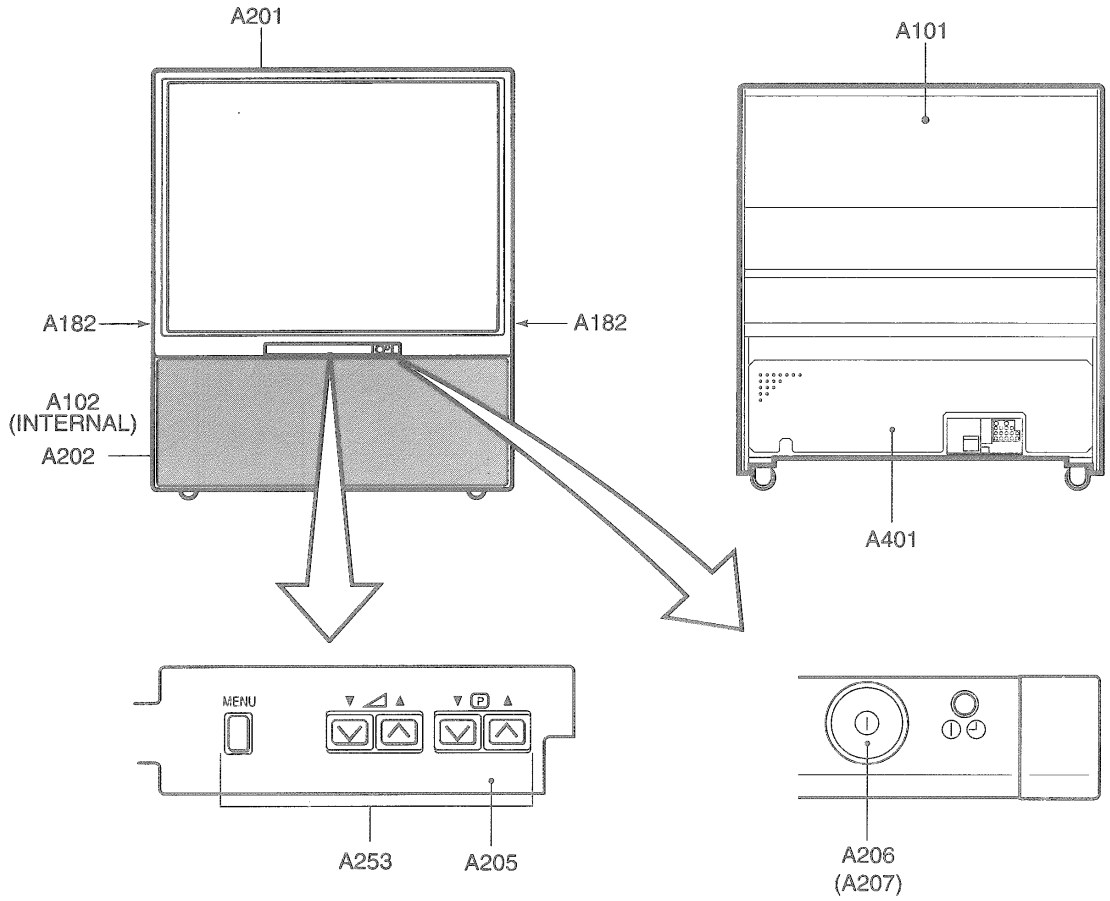
HOW TO CLEAN SCREEN

When cleaning the screen, use a soft cloth so as not to damage the screen.

1. Wipe the stain away with a diluted neutral detergent soaked cloth.
2. Wipe the detergent away with a water soaked cloth.
3. Wipe the screen with a dry cloth to remove moisture on the screen.

Note : Absolutely do not use alcohol, benzine, thinner, etc. for cleaning in order not to wipe away the black print on the surface.

CABINET REPLACEMENT PARTS LIST



Location No.	Part No.	Description
A101	23465593	Wood Cabinet (48PJ6DG)
A101	23465600	Wood Cabinet (55PJ6DG)
A102	23421778	Front Cover
A182	23805157	Handle
A201	23519626	Bezel (48PJ6DG)
A201	23519633	Bezel (55PJ6DG)
A202	23519308	Speaker Grille (48PJ6DG)
A202	23519321	Speaker Grille (55PJ6DG)
A205	23885205	Control Panel
A206	23444933	Knob, POWER
A207	23836498	Spring, Coil
A251	23421696	Door
A253	23444932	Knob, Control
A401	23938020	Back Board (48PJ6DG)
A401	23938021	Back Board (55PJ6DG)
A505	72471068	Screw, BIDT2 4x12BZ
A507	72471068	Screw, BIDT2 4x12BZ
A512	23035412	Screw, BTB 4x12BZ
A517	23035010	Screw, PBI 4x16

Location No.	Part No.	Description
B202	23470342	Holder, Back Terminal
K101	23430111	Delta, 77-A/B Assembly
K102	23430111	Delta, 77-A/B Assembly
K103	23430111	Delta, 77-A/B Assembly
K501	23837434	Lenti Sheet, SCREEN48KE-L (48PJ6DG)
K501	23837437	Lenti Sheet, SCREEN55KE-L (55PJ6DG)
K502	23837435	Fresnel Sheet, SCREEN48KE-F (48PJ6DG)
K502	23837438	Fresnel Sheet, SCREEN55KE-F (55PJ6DG)
K601	23430116	MIRROR48(C) (48PJ6DG)
K601	23430128	MIRROR55(C) (55PJ6DG)

CHASSIS REPLACEMENT PARTS LIST

WARNING: BEFORE SERVICING THIS CHASSIS, READ THE "X-RAY RADIATION PRECAUTION", "SAFETY PRECAUTION" AND "PRODUCT SAFETY NOTICE" ON PAGE 2 OF THIS MANUAL.

CAUTION: The international hazard symbols " ⚠ " in the schematic diagram and the parts list designate components which have special characteristics important for safety and should be replaced only with types identical to those in the original circuit or specified in the parts list. The mounting position of replacements is to be identical with originals. Before replacing any of these components, read carefully the PRODUCT SAFETY NOTICE on page 2. Do not degrade the safety of the receiver through improper servicing.

NOTICE:
- *The part number must be used when ordering parts, in order to assist in processing, be sure to include the Model number and Description.*
- *The PC board assembly with * mark is no longer available after the end of the production.*

ABBREVIATIONS:

Capacitors.....	CD	: Ceramic Disk	PF	: Plastic Film	EL	: Electrolytic
Resistors.....	CF	: Carbon Film	CC	: Carbon Composition	MF	: Metal Film
	OMF	: Oxide Metal Film	VR	: Variable Resistor	FR	: Fusible Resistor

(All CD and PF capacitors are ±5%, 50V and all resistors, ±5%, 1/6W unless otherwise noted.)

Models : 48PJ6DG, 55PJ6DG

Location No.	Part No.	Description
CAPACITORS		
C101	24797229	EL, 2.2μF, ±20%, 50V
C102	24763221	EL, 220μF, ±20%, 16V
C103	24232103	CD, 0.01μF, +80%, −20%
C104	24794470	EL, 47μF, ±20%, 16V
C105	24232103	CD, 0.01μF, +80%, −20%
C106	24797100	EL, 10μF, ±20%, 50V
C107	24763221	EL, 220μF, ±20%, 16V
C108	24763101	EL, 100μF, ±20%, 16V
C115	24232103	CD, 0.01μF, +80%, −20%
C116	24763221	EL, 220μF, ±20%, 16V
C183	24797479	EL, 4.7μF, ±20%, 50V
C194	24232103	CD, 0.01μF, +80%, −20%
C201	24206100	EL, 10μF, 50V
C203	24538104	PF, 0.1μF
C204	24206010	EL, 1μF, 50V
C205	24206229	EL, 2.2μF, 50V
C206	24669100	EL, 10μF, ±20%, 50V
C207	24436270	CD, 27pF
C208	24436270	CD, 27pF
C209	24436270	CD, 27pF
C212	24794100	EL, 10μF, ±20%, 16V
C214	24538334	PF, 0.33μF
C271	24591153	PF, 0.015μF
C303	24214471	CD, 470pF, ±10%, 500V
C305	24617912	EL, 2.2μF, ±10%, 50V
C306	24668332	EL, 3300μF, ±20%, 35V
C307	24693473	PF, 0.047μF, 100V
C308	24668221	EL, 220μF, ±20%, 35V
C309	24212101	CD, 100pF, ±10%
C310	24669222	EL, 2200μF, ±20%, 50V
C311	24214561	CD, 560pF, ±10%, 500V
C313	24082057	PF, 0.22μF, 100V
C314	24232103	CD, 0.01μF, +80%, −20%
C315	24591103	PF, 0.01μF
C315	24797229	EL, 2.2μF, ±20%, 50V
C318	24666222	EL, 2200μF, ±20%, 16V
C319	24591102	PF, 1000pF
C320	24669101	EL, 100μF, ±20%, 50V
C321	24591203	PF, 0.02μF
C322	24617912	EL, 2.2μF, ±10%, 50V

Location No.	Part No.	Description
C323	24591224	PF, 0.22μF
C326	24591683	PF, 0.068μF
C340	24666100	EL, 10μF, ±20%, 16V
C343	24591103	PF, 0.01μF
C350	24591104	PF, 0.1μF
C351	24666222	EL, 2200μF, ±20%, 16V
C352	24669229	EL, 2.2μF, ±20%, 50V
C360	24667100	EL, 10μF, ±20%, 25V (55PJ6DG)
C361	24669100	EL, 10μF, ±20%, 50V (55PJ6DG)
C362	24538104	PF, 0.1μF (55PJ6DG)
C363	24085942	EL, 10μF, ±20%, NP (55PJ6DG)
C364	24666100	EL, 10μF, ±20%, 16V (55PJ6DG)
C370	24666101	EL, 100μF, ±20%, 16V
C371	24668100	EL, 10μF, ±20%, 35V
C401	24538104	PF, 0.1μF
C403	24591203	PF, 0.02μF
C403	24828124	PF, 0.12μF, 200V
C404	24797229	EL, 2.2μF, ±20%, 50V
C413	24214821	CD, 820pF, ±10%, 500V
C415	24591392	PF, 3900pF
C416	24678100	EL, 10μF, ±20%, 200V
C417	24214391	CD, 390pF, ±10%, 500V
C418	24095883	PF, 0.015μF, ±3%, 630V
C419	24095803	PF, 0.062μF, 400V
C420	24666101	EL, 100μF, ±20%, 16V
C423	24095779	PF, 0.62μF, 400V
C430	24232103	CD, 0.01μF, +80%, −20%
C431	24617024	EL, 470μF, ±20%, 16V
C440	24082323	PF, 1000pF, ±3%, 1500V
C441	24095787	PF, 0.3μF, 400V
C443	24082290	PF, 6800pF, ±3%, 1800V
C444	24082287	PF, 5100pF, ±3%, 1800V
C445	24828473	PF, 0.047μF, 200V
C446	24679330	EL, 33μF, ±20%, 250V
C447	24667102	EL, 1000μF, ±20%, 25V
C448	24640908	EL, 33μF, ±20%, 160V
C458	24667100	EL, 10μF, ±20%, 25V

Location No.	Part No.	Description
C459	24669478	EL, 0.47μF, ±20%, 50V
C460	24668331	EL, 330μF, ±20%, 35V
C463	24212152	CD, 1500pF, ±10%
C464	24640872	EL, 10μF, ±20%, 100V
C465	24591332	PF, 3300pF
C467	24095881	PF, 0.018μF, ±3%, 630V
C468	24567474	PF, 0.47μF
C470	24666220	EL, 22μF, ±20%, 16V
C471	24669479	EL, 4.7μF, ±20%, 50V
C472	24567474	PF, 0.47μF
C473	24567474	PF, 0.47μF
C475	24095887	PF, 0.01μF, ±3%, 630V
C477	24092338	Chip, 270pF, ±10% (55PJ6DG)
C481	24567104	PF, 0.1μF
C482	24591152	PF, 1500pF
C483	24567224	PF, 0.22μF
C485	24669101	EL, 100μF, ±20%, 50V
C493	24591124	PF, 0.12μF
C501	24232103	CD, 0.01μF, +80%, -20%
C502	24232103	CD, 0.01μF, +80%, -20%
C503	24763101	EL, 100μF, ±20%, 16V
C504	24591122	PF, 1200pF
C505	24353120	CD, 12pF
C507	24353120	CD, 12pF
C508	24206100	EL, 10μF, 50V
C509	24763101	EL, 100μF, ±20%, 16V
C510	24763101	EL, 100μF, ±20%, 16V
C511	24232103	CD, 0.01μF, +80%, -20%
C512	24206228	EL, 0.22μF, 50V
C513	24232103	CD, 0.01μF, +80%, -20%
C514	24538104	PF, 0.1μF
C515	24538104	PF, 0.1μF
C517	24353010	CD, 1pF, ±0.25pF
C519	24353010	CD, 1pF, ±0.25pF
C520	24212102	CD, 1000pF, ±10%
C521	24212102	CD, 1000pF, ±10%
C530	24212561	CD, 560pF, ±10%
C531	24353181	CD, 180pF
C532	24212102	CD, 1000pF, ±10%
C533	24436151	CD, 150pF
C601	24590102	PF, 1000pF
C602	24590102	PF, 1000pF
C603	24669100	EL, 10μF, ±20%, 50V
C604	24669100	EL, 10μF, ±20%, 50V
C605	24667101	EL, 100μF, ±20%, 25V
C606	24667101	EL, 100μF, ±20%, 25V
C607	24538104	PF, 0.1μF
C608	24538104	PF, 0.1μF
C609	24669102	EL, 1000μF, ±20%, 50V
C610	24669102	EL, 1000μF, ±20%, 50V
C6101	24232103	CD, 0.01μF, +80%, -20%
C6102	24232103	CD, 0.01μF, +80%, -20%
C611	24667221	EL, 220μF, ±20%, 25V
C613	24666221	EL, 220μF, ±20%, 16V
C621	24669229	EL, 2.2μF, ±20%, 50V
C622	24669010	EL, 1μF, ±20%, 50V
C622	24538103	PF, 0.01μF
C623	24667470	EL, 47μF, ±20%, 25V
C624	24669100	EL, 10μF, ±20%, 50V
C625	24669100	EL, 10μF, ±20%, 50V
C626	24667470	EL, 47μF, ±20%, 25V
C627	24667470	EL, 47μF, ±20%, 25V
C628	24667470	EL, 47μF, ±20%, 25V
C629	24538124	PF, 0.12μF

Location No.	Part No.	Description
C630	24538124	PF, 0.12μF
C631	24668102	EL, 1000μF, ±20%, 35V
C632	24668102	EL, 1000μF, ±20%, 35V
C635	24669010	EL, 1μF, ±20%, 50V
C642	24538103	PF, 0.01μF
C643	24667470	EL, 47μF, ±20%, 25V
C644	24669100	EL, 10μF, ±20%, 50V
C645	24669100	EL, 10μF, ±20%, 50V
C646	24667470	EL, 47μF, ±20%, 25V
C647	24667470	EL, 47μF, ±20%, 25V
C648	24667470	EL, 47μF, ±20%, 25V
C649	24538124	PF, 0.12μF
C650	24538124	PF, 0.12μF
C651	24668102	EL, 1000μF, ±20%, 35V
C652	24668102	EL, 1000μF, ±20%, 35V
C660	24669471	EL, 470μF, ±20%, 50V
C663	24669479	EL, 4.7μF, ±20%, 50V
C664	24669479	EL, 4.7μF, ±20%, 50V
C665	24669478	EL, 0.47μF, ±20%, 50V
C666	24669478	EL, 0.47μF, ±20%, 50V
C673	24474102	CD, 1000pF, ±10%
C674	24474102	CD, 1000pF, ±10%
C675	24474102	CD, 1000pF, ±10%
C676	24474102	CD, 1000pF, ±10%
C678	24474102	CD, 1000pF, ±10%
C679	24474102	CD, 1000pF, ±10%
C680	24669471	EL, 470μF, ±20%, 50V
C681	24474102	CD, 1000pF, ±10%
C682	24669010	EL, 1μF, ±20%, 50V
C682	24474102	CD, 1000pF, ±10%
C690	24666470	EL, 47μF, ±20%, 16V
C691	24474102	CD, 1000pF, ±10%
C692	24666100	EL, 10μF, ±20%, 16V
C701	24781330	Chip, 33pF, SL
C702	24781330	Chip, 33pF, SL
C711	24206100	EL, 10μF, 50V
C714	24092293	Chip, 0.1μF, +80%,-20%, 25V
C715	24092441	Chip, 1μF, +80%,-20%, 16V
C716	24815822	Chip, 8200pF, ±10%
C717	24774470	Chip, 47pF, CH
C718	24774470	Chip, 47pF, CH
C719	24794101	EL, 100μF, ±20%, 16V
C720	24092293	Chip, 0.1μF, +80%,-20%, 25V
C721	24538104	PF, 0.1μF
C722	24092293	Chip, 0.1μF, +80%,-20%, 25V
C724	24092293	Chip, 0.1μF, +80%,-20%, 25V
C725	24092293	Chip, 0.1μF, +80%,-20%, 25V
C726	24092293	Chip, 0.1μF, +80%,-20%, 25V
C727	24092293	Chip, 0.1μF, +80%,-20%, 25V
C728	24763221	EL, 220μF, ±20%, 16V
C729	24092293	Chip, 0.1μF, +80%,-20%, 25V
C730	24538104	PF, 0.1μF
C731	24766010	EL, 1.0μF, ±20%, 50V
C732	24590822	PF, 8200pF
C735	24092293	Chip, 0.1μF, +80%,-20%, 25V
C736	24794470	EL, 47μF, ±20%, 16V
C739	24092293	Chip, 0.1μF, +80%,-20%, 25V
C740	24092293	Chip, 0.1μF, +80%,-20%, 25V
C741	24794470	EL, 47μF, ±20%, 16V
C742	24794470	EL, 47μF, ±20%, 16V
C743	24092293	Chip, 0.1μF, +80%,-20%, 25V
C744	24092293	Chip, 0.1μF, +80%,-20%, 25V
C745	24794470	EL, 47μF, ±20%, 16V
C746	24794470	EL, 47μF, ±20%, 16V

Location No.	Part No.	Description
C747	24092293	Chip, 0.1μF, +80%,–20%, 25V
C748	24092293	Chip, 0.1μF, +80%,–20%, 25V
C749	24794470	EL, 47μF, ±20%, 16V
C750	24794470	EL, 47μF, ±20%, 16V
C756	24781330	Chip, 33pF, SL
C761	24590182	PF, 1800pF
C762	24590562	PF, 5600pF
C763	24774391	Chip, 390pF
C765	24590182	PF, 1800pF
C766	24590562	PF, 5600pF
C767	24774391	Chip, 390pF
C769	24590182	PF, 1800pF
C770	24590562	PF, 5600pF
C771	24774391	Chip, 390pF
C773	24590182	PF, 1800pF
C774	24590562	PF, 5600pF
C775	24774391	Chip, 390pF
C777	24590182	PF, 1800pF
C778	24590562	PF, 5600pF
C779	24774391	Chip, 390pF
C781	24590182	PF, 1800pF
C782	24590562	PF, 5600pF
C783	24774391	Chip, 390pF
C795	24761221	EL, 220μF, ±20%, 6.3V
C798	24763101	EL, 100μF, ±20%, 16V
C799	24763101	EL, 100μF, ±20%, 16V
⚠C801	24082374	PF, 0.22μF, AC250V
⚠C802	24082318	PF, 0.1μF, ±20%, AC250V
⚠C803	24082374	PF, 0.22μF, AC250V
⚠C804	24082374	PF, 0.22μF, AC250V
C805	24092281	CD, 4700pF, ±20%, AC250V
C806	24092281	CD, 4700pF, ±20%, AC250V
C808	24669221	EL, 220μF, ±20%, 50V
C809	24214471	CD, 470pF, ±10%, 500V
C810	24086935	EL, 560μF, ±20%, 400V
⚠C811	24094655	CD, 1000pF, ±20%, AC400V
⚠C812	24094654	CD, 470pF, ±20%, AC400V
C815	24094654	CD, 470pF, ±20%, AC400V
C816	24617821	EL, 220μF, ±20%, 50V
C817	24092341	CD, 470pF, ±10%, 2kV
C818	24095931	PF, 2200pF, 1250V
⚠C819	24094654	CD, 470pF, ±20%, AC400V
C820	24092343	CD, 680pF, ±10%, 2kV
⚠C821	24082374	PF, 0.22μF, AC250V
⚠C824	24082374	PF, 0.22μF, AC250V
C829	24590152	PF, 1500pF
C833	24669479	EL, 4.7μF, ±20%, 50V
C834	24538334	PF, 0.33μF
C835	24617024	EL, 470μF, ±20%, 16V
C840	24214471	CD, 470pF, ±10%, 500V
C841	24676220	EL, 22μF, ±20%, 100V
C842	24538474	PF, 0.47μF
C843	24538474	PF, 0.47μF
C846	24567104	PF, 0.1μF
C850	24092281	CD, 4700pF, ±20%, AC250V
C851	24092281	CD, 4700pF, ±20%, AC250V
C852	24092281	CD, 4700pF, ±20%, AC250V
C853	24092281	CD, 4700pF, ±20%, AC250V
C854	24086856	EL, 270μF, ±20%, 400V
C855	24092341	CD, 470pF, ±10%, 2kV
C856	24095913	PF, 1500pF, ±3%, 1600V
C857	24617821	EL, 220μF, ±20%, 50V
C858	24214471	CD, 470pF, ±10%, 500V
C859	24214471	CD, 470pF, ±10%, 500V

Location No.	Part No.	Description
C860	24676470	EL, 47μF, ±20%, 100V
C861	24676220	EL, 22μF, ±20%, 100V
C862	24590152	PF, 1500pF
⚠C863	24094654	CD, 470pF, ±20%, AC400V
⚠C864	24094654	CD, 470pF, ±20%, AC400V
C865	24214331	CD, 330pF, ±10%, 500V
C866	24214331	CD, 330pF, ±10%, 500V
C867	24214471	CD, 470pF, ±10%, 500V
C868	24214471	CD, 470pF, ±10%, 500V
C869	24669470	EL, 47μF, ±20%, 50V
C870	24667332	EL, 3300μF, ±20%, 25V
C871	24667332	EL, 3300μF, ±20%, 25V
C872	24214471	CD, 470pF, ±10%, 500V
C873	24669222	EL, 2200μF, ±20%, 50V
C874	24214471	CD, 470pF, ±10%, 500V
C875	24567563	PL, 0.056μF
C876	24669100	EL, 10μF, ±20%, 50V
C877	24669100	EL, 10μF, ±20%, 50V
C878	24567104	PL, 0.1μF
C879	24669100	EL, 10μF, ±20%, 50V
C880	24677220	EL, 22μF, 160V
C882	24669100	EL, 10μF, ±20%, 50V
C884	24086049	EL, 330μF, ±20%, 160V
C885	24214471	CD, 470pF, ±10%, 500V
C887	24214471	CD, 470pF, ±10%, 500V
C889	24669222	EL, 2200μF, ±20%, 50V
C890	24666101	EL, 100μF, ±20%, 16V
C891	24666101	EL, 100μF, ±20%, 16V
C892	24667472	EL, 4700μF, ±20%, 25V
C893	24092338	CD, 270pF, ±10%, 2kV
C894	24669229	EL, 2.2μF, ±20%, 50V
C895	24676470	EL, 47μF, ±20%, 100V
C897	24667472	EL, 4700μF, ±20%, 25V
C898	24567474	PL, 0.47μF
C899	24214471	CD, 470pF, ±10%, 500V
C901	24211102	CD, 1000pF, ±10%, 2kV
C902	24794101	EL, 100μF, ±20%, 16V
C903	24232103	CD, 0.01μF, +80%, –20%
C904	24436471	CD, 470pF
C905	24214102	CD, 1000pF, ±10%, 500V
C911	24211102	CD, 1000pF, ±10%, 2kV
C912	24794101	EL, 100μF, ±20%, 16V
C913	24232103	CD, 0.01μF, +80%, –20%
C914	24436471	CD, 470pF
C915	24679330	EL, 33μF, ±20%, 250V
C916	24794102	EL, 1000μF, ±20%, 16V
C921	24211102	CD, 1000pF, ±10%, 2kV
C922	24794101	EL, 100μF, ±20%, 16V
C923	24436471	CD, 470pF
C924	24232103	CD, 0.01μF, +80%, –20%
C941	24797478	EL, 0.47μF, ±20%, 50V
C943	24794102	EL, 1000μF, ±20%, 16V
C944	24203100	EL, 10μF, ±20%, 16V
C961	24794101	EL, 100μF, ±20%, 16V
C962	24203100	EL, 10μF, ±20%, 16V
C963	24591104	PF, 0.1μF
C964	24591104	PF, 0.1μF
C3101	24232103	CD, 0.01μF, +80%, –20%
C3103	24232103	CD, 0.01μF, +80%, –20%
C7701	24761221	EL, 220μF, ±20%, 6.3V
C7721	24212102	CD, 1000pF, ±10%
C7722	24436101	CD, 100pF
C7724	24667101	EL, 100μF, ±20%, 25V
C7725	24667101	EL, 100μF, ±20%, 25V

Location No.	Part No.	Description
C7726	24212102	CD, 1000pF, ±10%
C7727	24436101	CD, 100pF
C7729	24212102	CD, 1000pF, ±10%
C7730	24436101	CD, 100pF
C7732	24212102	CD, 1000pF, ±10%
C7733	24436101	CD, 100pF
C7735	24667101	EL, 100μF, ±20%, 25V
C7736	24669101	EL, 100μF, ±20%, 50V
C7737	24212102	CD, 1000pF, ±10%
C7738	24436101	CD, 100pF
C7740	24212102	CD, 1000pF, ±10%
C7741	24436101	CD, 100pF
C7747	24666101	EL, 100μF, ±20%, 16V
C7748	24232103	CD, 0.01μF, +80%, −20%
C7749	24232103	CD, 0.01μF, +80%, −20%
C7750	24667101	EL, 100μF, ±20%, 25V
C7751	24666101	EL, 100μF, ±20%, 16V
C7752	24232103	CD, 0.01μF, +80%, −20%
C7753	24232103	CD, 0.01μF, +80%, −20%
C7754	24667101	EL, 100μF, ±20%, 25V
C7755	24666101	EL, 100μF, ±20%, 16V
C7756	24232103	CD, 0.01μF, +80%, −20%
C7757	24232103	CD, 0.01μF, +80%, −20%
C7758	24667101	EL, 100μF, ±20%, 25V
C7760	24669478	EL, 0.47μF, ±20%, 50V
C7761	24667470	EL, 47μF, ±20%, 25V
C7762	24666470	EL, 47μF, ±20%, 16V
C7763	24669478	EL, 0.47μF, ±20%, 50V
C7764	24436331	CD, 330pF
C7765	24669479	EL, 4.7μF, ±20%, 50V
C7766	24669479	EL, 4.7μF, ±20%, 50V
C7767	24232103	CD, 0.01μF, +80%, −20%
C7768	24232103	CD, 0.01μF, +80%, −20%
C7769	24232103	CD, 0.01μF, +80%, −20%
C7770	24669478	EL, 0.47μF, ±20%, 50V
C7771	24567103	PF, 0.01μF
C7774	24436331	CD, 330pF
C8101	24214472	CD, 4700pF, ±10%, 500V
C8102	24669222	EL, 2200μF, ±20%, 50V
C8103	24669222	EL, 2200μF, ±20%, 50V
⚠C8111	24094654	CD, 470pF, ±20%, AC400V
C8201	24538474	PF, 0.47μF
C8202	24667471	EL, 470μF, ±20%, 25V
C8203	24538334	PF, 0.33μF
C8301	24667471	EL, 470μF, ±20%, 25V
C8302	24538334	PF, 0.33μF
C8303	24538334	PF, 0.33μF
C8304	24617024	EL, 470μF, ±20%, 16V
CA13	24212101	CD, 100pF, ±10%
CA30	24212101	CD, 100pF, ±10%
CA33	24232103	CD, 0.01μF, +80%, −20%
CA37	24212101	CD, 100pF, ±10%
CA38	24212101	CD, 100pF, ±10%
CA42	24794100	EL, 10μF, ±20%, 16V
CA43	24232103	CD, 0.01μF, +80%, −20%
CA44	24232103	CD, 0.01μF, +80%, −20%
CA68	24794100	EL, 10μF, ±20%, 16V
CA69	24232103	CD, 0.01μF, +80%, −20%
CB01	24794470	EL, 47μF, ±20%, 16V
CB90	24232103	CD, 0.01μF, +80%, −20%
CC09	24212102	CD, 1000pF, ±10%
CC10	24436470	CD, 47pF
CC11	24436470	CD, 47pF
CC12	24212102	CD, 1000pF, ±10%

Location No.	Part No.	Description
CC13	24212102	CD, 1000pF, ±10%
CD01	24781330	Chip, 33pF, SL
CD02	24590332	PF, 3300pF
CD03	24590332	PF, 3300pF
CD04	24781330	Chip, 33pF, SL
CD05	24203100	EL, 10μF, ±20%, 16V
CD06	24203100	EL, 10μF, ±20%, 16V
CD07	24203100	EL, 10μF, ±20%, 16V
CD08	24203100	EL, 10μF, ±20%, 16V
CD09	24203100	EL, 10μF, ±20%, 16V
CD10	24203100	EL, 10μF, ±20%, 16V
CD11	24203100	EL, 10μF, ±20%, 16V
CD12	24203100	EL, 10μF, ±20%, 16V
CD13	24085988	EL, 1μF, ±20%, 50V, QNon-Polar
CD14	24085988	EL, 1μF, ±20%, 50V, Non-Polar
CD15	24763101	EL, 100μF, ±20%, 16V
CD16	24203100	EL, 10μF, ±20%, 16V
CD17	24538104	PF, 0.1μF
CD18	24815682	Chip, 6800pF, +80%, −20%, F
CD19	24815682	Chip, 6800pF, +80%, −20%, F
CD20	24781221	Chip, 220pF, SL
CD21	24590682	PF, 6800pF
CD22	24781391	Chip, 390pF, SL
CD23	24781101	Chip, 100pF, SL
CD24	24206010	EL, 1μF, 50V
CD25	24590272	PF, 2700pF
CD26	24781330	Chip, 33pF, SL
CD27	24590682	PF, 6800pF
CD28	24781391	Chip, 390pF, SL
CD29	24590272	PF, 2700pF
CD30	24203100	EL, 10μF, ±20%, 16V
CD31	24781330	Chip, 33pF, SL
CD32	24781101	Chip, 100pF, SL
CD33	24206010	EL, 1μF, 50V
CD34	24590272	PF, 2700pF
CD35	24590682	PF, 6800pF
CD36	24781391	Chip, 390pF, SL
CD37	24781680	Chip, 68pF, SL
CD38	24203100	EL, 10μF, ±20%, 16V
CD39	24203100	EL, 10μF, ±20%, 16V
CD40	24206229	EL, 2.2μF, 50V
CD41	24203100	EL, 10μF, ±20%, 16V
CD42	24206229	EL, 2.2μF, 50V
CD43	24203100	EL, 10μF, ±20%, 16V
CD44	24590154	PF, 0.15μF
CD45	24203100	EL, 10μF, ±20%, 16V
CD46	24781680	Chip, 68pF, SL
CD47	24203100	EL, 10μF, ±20%, 16V
CD48	24781101	Chip, 100pF, SL
CD49	24203100	EL, 10μF, ±20%, 16V
CD50	24203100	EL, 10μF, ±20%, 16V
CD51	24781680	Chip, 68pF, SL
CD52	24203100	EL, 10μF, ±20%, 16V
CD53	24763471	EL, 470μF, ±20%, 16V
CD54	24781101	Chip, 100pF, SL
CD55	24206010	EL, 1μF, 50V
CD56	24206010	EL, 1μF, 50V
CD57	24206010	EL, 1μF, 50V
CD58	24203100	EL, 10μF, ±20%, 16V
CD59	24591273	PF, 0.027μF
CD60	24591822	PF, 8200pF
CD61	24206010	EL, 1μF, 50V

Location No.	Part No.	Description
CD62	24092293	Chip, 0.1μF, +80%,–20%, 25V
CD63	24092293	Chip, 0.1μF, +80%,–20%, 25V
CD64	24092293	Chip, 0.1μF, +80%,–20%, 25V
CD65	24206010	EL, 1μF, 50V
CD66	24203100	EL, 10μF, ±20%, 16V
CD67	24781330	Chip, 33pF, SL
CD68	24781330	Chip, 33pF, SL
CD69	24205479	EL, 4.7μF, ±20%, 35V
CD70	24092293	Chip, 0.1μF, +80%,–20%, 25V
CD71	24538104	PF, 0.1μF
CD72	24762221	EL, 220μF, ±20%, 10V
CD73	24762221	EL, 220μF, ±20%, 10V
CD74	24538104	PF, 0.1μF
CD75	24781102	Chip, 1000pF, SL
CD76	24203100	EL, 10μF, ±20%, 16V
CD77	24814103	Chip, 0.01μF, +80%, –20%
CD78	24763101	EL, 100μF, ±20%, 16V
CD79	24814103	Chip, 0.01μF, +80%, –20%
CD80	24202101	EL, 100μF, 10V
CD81	24781221	Chip, 220pF, SL
CD82	24203100	EL, 10μF, ±20%, 16V
CD83	24814103	Chip, 0.01μF, +80%, –20%
CF02	24436560	CD, 56pF
CF03	24567104	PF, 0.1μF
CF04	24766101	PF, 0.1μF
CF05	24766101	PF, 0.1μF
CF06	24353220	CD, 22pF
CF07	24353220	CD, 22pF
CF08	24567104	PF, 0.1μF
CF09	24567104	PF, 0.1μF
CF10	24206100	EL, 10μF, 50V
CF11	24567104	PF, 0.1μF
CF12	24232103	CD, 0.01μF, +80%, –20%
CF14	24232103	CD, 0.01μF, +80%, –20%
CF17	24794101	EL, 100μF, ±20%, 16V
CF18	24794101	EL, 100μF, ±20%, 16V
CF19	24232103	CD, 0.01μF, +80%, –20%
CG01	24590124	PF, 0.12μF
CG02	24590104	PF, 0.1μF
CG03	24590823	PF, 0.082μF
CG04	24206010	EL, 1μF, 50V
CG05	24203220	EL, 22μF, ±20%, 16V
CG06	24232103	CD, 0.01μF, +80%, –20%
CG07	24206010	EL, 1μF, 50V
CG08	24206010	EL, 1μF, 50V
CG09	24206010	EL, 1μF, 50V
CG10	24232103	CD, 0.01μF, +80%, –20%
CG11	24232103	CD, 0.01μF, +80%, –20%
CG12	24590273	PF, 0.027μF
CG13	24232103	CD, 0.01μF, +80%, –20%
CG14	24203101	EL, 100μF, ±20%, 16V
CG15	24590822	PF, 8200pF
CG16	24206010	EL, 1μF, 50V
CG17	24590273	PF, 0.027μF
CG18	24590822	PF, 8200pF
CG21	24590273	PF, 0.027μF
CG22	24206010	EL, 1μF, 50V
CG23	24590822	PF, 8200pF
CG24	24206100	EL, 10μF, 50V
CG25	24212102	CD, 1000pF, ±10%
CG26	24206100	EL, 10μF, 50V
CG27	24206229	EL, 2.2μF, 50V
CG28	24206229	EL, 2.2μF, 50V
CG29	24232103	CD, 0.01μF, +80%, –20%

Location No.	Part No.	Description
CG41	24203470	EL, 47μF, ±20%, 16V
CQ02	24353820	CD, 82pF
CQ03	24212102	CD, 1000pF, ±10%
CQ04	24794100	EL, 10μF, ±20%, 16V
CQ05	24590563	PF, 0.056μF
CQ07	24590203	PF, 0.02μF
CQ08	24590683	PF, 0.068μF
CQ09	24797229	EL, 2.2μF, ±20%, 50V
CQ10	24590223	PF, 0.022μF
CQ11	24797229	EL, 2.2μF, ±20%, 50V
CQ12	24436820	CD, 82pF
CQ13	24590104	PF, 0.1μF
CQ14	24590104	PF, 0.1μF
CQ15	24794101	EL, 100μF, ±20%, 16V
CQ16	24232103	CD, 0.01μF, +80%, –20%
CQ17	24353150	CD, 15pF
CQ18	24436820	CD, 82pF
CQ19	24590103	PF, 0.01μF
CQ20	24538104	PF, 0.1μF
CQ21	24794470	EL, 47μF, ±20%, 16V
CQ22	24232103	CD, 0.01μF, +80%, –20%
CQ23	24538104	PF, 0.1μF
CQ24	24538104	PF, 0.1μF
CQ25	24797100	EL, 10μF, ±20%, 50V
CQ26	24538104	PF, 0.1μF
CQ27	24538104	PF, 0.1μF
CQ28	24797478	EL, 0.47μF, ±20%, 50V
CQ29	24794101	EL, 100μF, ±20%, 16V
CQ30	24232103	CD, 0.01μF, +80%, –20%
CQ31	24797478	EL, 0.47μF, ±20%, 50V
CQ32	24590103	PF, 0.01μF
CQ33	24538104	PF, 0.1μF
CQ34	24538104	PF, 0.1μF
CQ35	24206478	EL, 0.47μF, 50V
CQ36	24206478	EL, 0.47μF, 50V
CQ37	24797010	EL, 1μF, ±20%, 50V
CQ38	24797010	EL, 1μF, ±20%, 50V
CQ39	24797010	EL, 1μF, ±20%, 50V
CQ40	24436820	CD, 82pF
CQ41	24436090	CD, 9pF, ±0.25pF
CQ42	24436090	CD, 9pF, ±0.25pF
CQ43	24436090	CD, 9pF, ±0.25pF
CQ45	24212102	CD, 1000pF, ±10%
CQ46	24212102	CD, 1000pF, ±10%
CR01	24538104	PF, 0.1μF
CR02	24538104	PF, 0.1μF
CR03	24538104	PF, 0.1μF
CR05	24232103	CD, 0.01μF, +80%, –20%
CR06	24666100	EL, 10μF, ±20%, 16V
CR12	24538104	PF, 0.1μF
CR13	24538104	PF, 0.1μF
CR14	24538104	PF, 0.1μF
CR15	24666100	EL, 10μF, ±20%, 16V
CR31	24538104	PF, 0.1μF
CR32	24538104	PF, 0.1μF
CR33	24538104	PF, 0.1μF
CS01	24085944	EL, 2.2μF, ±20%, 50V, Non-Polar
CS02	24085944	EL, 2.2μF, ±20%, 50V, Non-Polar
CS03	24206229	EL, 2.2μF, 50V
CS04	24206229	EL, 2.2μF, 50V
CS05	24206229	EL, 2.2μF, 50V
CS06	24206229	EL, 2.2μF, 50V

Location No.	Part No.	Description
CS07	24206229	EL, 2.2μF, 50V
CS08	24206229	EL, 2.2μF, 50V
CS09	24206010	EL, 1μF, 50V
CS12	24474102	CD, 1000pF, ±10%
CS13	24474102	CD, 1000pF, ±10%
CS14	24206100	EL, 10μF, 50V
CS15	24206100	EL, 10μF, 50V
CS17	24666100	EL, 10μF, ±20%, 16V
CS18	24666100	EL, 10μF, ±20%, 16V
CS181	24797010	EL, 1μF, ±20%, 50V
CS182	24797010	EL, 1μF, ±20%, 50V
CS19	24206478	EL, 0.47μF, 50V
CS22	24666100	EL, 10μF, ±20%, 16V
CS23	24666100	EL, 10μF, ±20%, 16V
CV01	24590103	PF, 0.01μF
CV02	24085981	EL, 10μF, ±20%, 16V, Non-Polar
CV03	24666100	EL, 10μF, ±20%, 16V
CV04	24666100	EL, 10μF, ±20%, 16V
CV05	24232103	CD, 0.01μF, +80%, –20%
CV06	24666100	EL, 10μF, ±20%, 16V
CV07	24763471	EL, 470μF, ±20%, 16V
CV08	24763471	EL, 470μF, ±20%, 16V
CV09	24666100	EL, 10μF, ±20%, 16V
CV10	24085970	EL, 10μF, ±20%, 16V, Non-Polar
CV11	24436331	CD, 330pF
CV12	24092398	CD, 0.1μF, +80%,–20%
CV13	24232103	CD, 0.01μF, +80%, –20%
CV14	24474102	CD, 1000pF, ±10%
CV15	24474102	CD, 1000pF, ±10%
CV16	24474102	CD, 1000pF, ±10%
CV17	24474102	CD, 1000pF, ±10%
CV18	24474102	CD, 1000pF, ±10%
CV19	24474102	CD, 1000pF, ±10%
CV23	24666101	EL, 100μF, ±20%, 16V
CV24	24232103	CD, 0.01μF, +80%, –20%
CV25	24763471	EL, 470μF, ±20%, 16V
CV30	24436820	CD, 82pF
CV35	24212102	CD, 1000pF, ±10%
CV37	24474102	CD, 1000pF, ±10%
CV39	24666101	EL, 100μF, ±20%, 16V
CV40	24232103	CD, 0.01μF, +80%, –20%
CV42	24206229	EL, 2.2μF, 50V
CV46	24212332	CD, 3300pF, ±10%
CV47	24212332	CD, 3300pF, ±10%
CV48	24212102	CD, 1000pF, ±10%
CV50	24232103	CD, 0.01μF, +80%, –20%
CV65	24203101	EL, 100μF, ±20%, 16V
CV66	24203101	EL, 100μF, ±20%, 16V
CV67	24763471	EL, 470μF, ±20%, 16V
CV68	24763471	EL, 470μF, ±20%, 16V
CV77	24666100	EL, 10μF, ±20%, 16V
CV81	24232103	CD, 0.01μF, +80%, –20%
CW04	24591822	PF, 8200pF
CW05	24212103	CD, 0.01μF, ±10%
CW07	24666470	EL, 47μF, ±20%, 16V
CW12	24666470	EL, 47μF, ±20%, 16V
CW13	24790100	EL, 10μF, ±20%, 160V
CW14	24436101	CD, 100pF
CW15	24214472	CD, 4700pF, ±10%, 500V
CW16	24436101	CD, 100pF
CW17	24214472	CD, 4700pF, ±10%, 500V
CW18	24794470	EL, 47μF, ±20%, 16V

Location No.	Part No.	Description
CW19	24435151	CD, 150pF, 500V
CW20	24790100	EL, 10μF, ±20%, 160V
CW21	24794470	EL, 47μF, ±20%, 16V
CW22	24436561	CD, 560pF
CW26	24212102	CD, 1000pF, ±10%
CZ07	24206229	EL, 2.2μF, 50V
CZ08	24203100	EL, 10μF, ±20%, 16V
CZ09	24436220	CD, 22pF
CZ10	24473180	CD, 18pF
CZ11	24473100	CD, 10pF
CZ12	24232103	CD, 0.01μF, +80%, –20%
CZ13	24092398	CD, 0.1μF, +80%,–20%
CZ14	24617816	EL, 10μF, ±20%, 50V
CZ15	24232103	CD, 0.01μF, +80%, –20%
CZ16	24206478	EL, 0.47μF, 50V
CZ17	24232103	CD, 0.01μF, +80%, –20%
CZ19	24436181	CD, 180pF
CZ20	24538103	PF, 0.01μF
CZ21	24436390	CD, 39pF
CZ22	24617816	EL, 10μF, ±20%, 50V
CZ23	24092398	CD, 0.1μF, +80%,–20%
CZ24	24092398	CD, 0.1μF, +80%,–20%
CZ25	24203101	EL, 100μF, ±20%, 16V
CZ26	24232103	CD, 0.01μF, +80%, –20%
CZ28	24232103	CD, 0.01μF, +80%, –20%
CZ29	24092398	CD, 0.1μF, +80%,–20%
CZ30	24617816	EL, 10μF, ±20%, 50V
CZ32	24436120	CD, 12pF
CZ33	24436120	CD, 12pF
CZ34	24473120	CD, 12pF
CZ35	24473120	CD, 12pF
CZ36	24232103	CD, 0.01μF, +80%, –20%
CZ37	24092398	CD, 0.1μF, +80%,–20%
CZ38	24092398	CD, 0.1μF, +80%,–20%
CZ43	24232103	CD, 0.01μF, +80%, –20%
CZ45	24436100	CD, 10pF, ±0.25pF

RESISTORS

R101	24382223	OMF, 22k ohm, 1W
R201	24366681	CF, 680 ohm
R202	24366821	CF, 820 ohm
R204	24366104	CF, 100k ohm
R205	24366101	CF, 100 ohm
R206	24366102	CF, 1k ohm
R207	24366101	CF, 100 ohm
R208	24366101	CF, 100 ohm
R208	24366103	CF, 10k ohm
R209	24366101	CF, 100 ohm
R209	24366123	CF, 12k ohm
R211	24367133	CF, 13k ohm, ±2%
R212	24366472	CF, 4700 ohm
R213	24366122	CF, 1200 ohm
R214	24366222	CF, 2200 ohm
R215	24366103	CF, 10k ohm
R216	24366103	CF, 10k ohm
R217	24366102	CF, 1k ohm
R218	24367103	CF, 10k ohm, ±2%
R220	24366103	CF, 10k ohm
R221	24366102	CF, 1k ohm
R223	24366102	CF, 1k ohm
R226	24366101	CF, 100 ohm
R227	24367912	CF, 9100 ohm, ±2%
R233	24366120	CF, 12 ohm
R280	24366103	CF, 10k ohm

Location No.	Part No.	Description
R281	24366682	CF, 6800 ohm
R301	24366102	CF, 1k ohm
R303	24321129	MF, 1.2 ohm, 1/2W
R304	24367223	CF, 22k ohm, ±2%
R305	24322828	OMF, 0.82 ohm, 1W
R306	24367563	CF, 56k ohm, ±2%
R307	24367224	CF, 220k ohm, ±20%
R308	24382391	OMF, 390 ohm, 1W
R311	24366392	CF, 3900 ohm
R312	24366153	CF, 15k ohm
R313	24366104	CF, 100k ohm
R313	24367153	CF, 15k ohm, ±2%
R314	24366105	CF, 1M ohm
R315	24366824	CF, 820k ohm
R316	24366154	CF, 150k ohm
R318	24366471	CF, 470 ohm
R319	24366471	CF, 470 ohm
R320	24366101	CF, 100 ohm
R327	24000187	FR, 3.3 ohm, 1W
R328	24366563	CF, 56k ohm
R329	24366203	CF, 20k ohm
R330	24366102	CF, 1k ohm
R334	24366102	CF, 1k ohm
R336	24383271	OMF, 270 ohm, 2W
R341	24366682	CF, 6800 ohm
R343	24366153	CF, 15k ohm
R346	24366102	CF, 1k ohm
R347	24366184	CF, 180k ohm
R350	24366222	CF, 2200 ohm
R351	24366823	CF, 82k ohm
R352	24366104	CF, 100k ohm
R353	24366470	CF, 47 ohm
R354(U905I)	24366562	CF, 5600 ohm (48PJ6DG)
R354(U910)	24366272	CF, 2700 ohm (55PJ6DG)
R356(U905I)	24366823	CF, 82k ohm (48PJ6DG)
R356(U910)	24366822	CF, 8200 ohm (55PJ6DG)
R357(U905I)	24366302	CF, 3k ohm (48PJ6DG)
R357(U910)	24382103	CF, 10k ohm (55PJ6DG)
R360	24366102	CF, 1k ohm (55PJ6DG)
R362	24366113	CF, 11k ohm (55PJ6DG)
R363	24366103	CF, 10k ohm (55PJ6DG)
R364	24366103	CF, 10k ohm (55PJ6DG)
R365	24366103	CF, 10k ohm (55PJ6DG)
R366	24366103	CF, 10k ohm (55PJ6DG)
R367	24366752	CF, 7500 ohm (55PJ6DG)
R368	24366103	CF, 10k ohm (55PJ6DG)
R369	24366822	CF, 8200 ohm (55PJ6DG)
R370	24321159	MF, 1.5 ohm, 1/2W
R371	24366562	CF, 5600 ohm
R372	24366392	CF, 3900 ohm
R373	24366182	CF, 1800 ohm
R374	24366473	CF, 47k ohm
R375	24366102	CF, 1k ohm
R389	24366222	CF, 2200 ohm
R390	24366682	CF, 6800 ohm
R391	24366163	CF, 16k ohm
R392	24366822	CF, 8200 ohm
R401	24366391	CF, 390 ohm
R402	24366103	CF, 10k ohm
R403	24366302	CF, 3k ohm
R404	24382682	OMF, 6800 ohm, 1W
R405	24382682	OMF, 6800 ohm, 1W
R406	24382682	OMF, 6800 ohm, 1W
R407	24366103	CF, 10k ohm

Location No.	Part No.	Description
R409	24321209	MF, 2 ohm, 1/2W
R410	24366331	CF, 330 ohm
R411	24366471	CF, 470 ohm
R413	24366274	CF, 270k ohm
R414	24323229	MF, 2.2 ohm, 2W
R415	24553272	OMF, 2700 ohm, 1W
R416	24510562	Cement, 5600 ohm, 5W
R417	24366471	CF, 470 ohm
R424	24546338	FR, 0.33ohm, 1/2W
R425	24552471	OMF, 470 ohm, 1/2W
R426	24366821	CF, 820 ohm
R427	24366392	CF, 3900 ohm
R428	24366561	CF, 560 ohm
R429	24552560	OMF, 56 ohm, 1/2W
R431	24382100	OMF, 10 ohm, 1W
R432	24532560	FR, 56 ohm, 1W
R434	24366102	CF, 1k ohm
R435	24366333	CF, 33k ohm
R436	24327224	MF, 220k ohm, ±1%, 1/4W
R438	24381102	OMF, 1k ohm, 1/2W
R439	24366472	CF, 4700 ohm
R441	24532102	FR, 1k ohm, 1W
R442	24382513	OMF, 51k ohm, 1W
R443	24310109	MF, 1.0 ohm, 1/2W
R444	24338398	MF, 0.39 ohm, 1W
R447	24382473	OMF, 47k ohm, 1W
R448	24338828	MF, 0.82 ohm, 1W
R450	24066879	VR, 1k ohm, 0.3W
R451	24376223	CF, 22k ohm 1/2W
R452	24376223	CF, 22k ohm 1/2W
R453	24376223	CF, 22k ohm 1/2W
R454	24366223	CF, 22k ohm
R455	24367333	CF, 33k ohm, ±2%
R458	24366823	CF, 82k ohm
R459	24367273	CF, 27k ohm, ±2%
R460	24552332	OMF, 3300 ohm, 1/2W
R461	24366332	CF, 3300 ohm
R462	24367103	CF, 10k ohm, ±2%
R463	24339479	MF, 4.7 ohm, 2W
R464	24366273	CF, 27k ohm
R465	24366114	CF, 110k ohm
R466	24366562	CF, 5600 ohm
R467	24366102	CF, 1k ohm
R468	24366333	CF, 33k ohm
R469	24000465	FR, 9.1 ohm, 1W
R470	24338568	MF, 0.56 ohm, 1W
R471	24381301	OMF, 300 ohm, 1/2W
R472	24552270	OMF, 27 ohm, 1/2W
R477	24383121	OMF, 120 ohm, 2W
R478	24376333	CF, 33k ohm, 1/2W
R479	24381750	OMF, 75 ohm, 1/2W
R480	24552272	OMF, 2700 ohm, 1/2W
R480(U910)	24942185	CC, 1.8M ohm, 1/2W (55PJ6DG)
R481	24366393	CF, 39k ohm
R482	24366103	CF, 10k ohm
R483	24366154	CF, 150k ohm
R484	24366473	CF, 47k ohm
R486	24382103	OMF, 10k ohm, 1W
R487	24366472	CF, 4700 ohm
R488	24366474	CF, 470k ohm
R489	24366332	CF, 3300 ohm
R490	24366332	CF, 3300 ohm
R491	24366912	CF, 9100 ohm

Location No.	Part No.	Description
R492	24366102	CF, 1k ohm
R493	24366682	CF, 6800 ohm
R494	24366183	CF, 18k ohm
R501	24366623	CF, 62k ohm
R502	24366101	CF, 100 ohm
R503	24366101	CF, 100 ohm
R505	24366102	CF, 1k ohm
R506	24366103	CF, 10k ohm
R508	24366102	CF, 1k ohm
R509	24366102	CF, 1k ohm
R510	24366102	CF, 1k ohm
R511	24366101	CF, 100 ohm
R512	24366101	CF, 100 ohm
R520	24366103	CF, 10k ohm
R521	24366223	CF, 22k ohm
R522	24366473	CF, 47k ohm
R601	24366562	CF, 5600 ohm
R602	24366562	CF, 5600 ohm
R603	24366272	CF, 2700 ohm
R604	24366272	CF, 2700 ohm
R605	24366229	CF, 2.2 ohm
R606	24366229	CF, 2.2 ohm
R607	24366153	CF, 15k ohm
R608	24366153	CF, 15k ohm
R610	24366103	CF, 10k ohm
R611	24366103	CF, 10k ohm
R612	24366103	CF, 10k ohm
R613	24366333	CF, 33k ohm
R621	24366331	CF, 330 ohm
R622	24366332	CF, 3300 ohm
R623	24366229	CF, 2.2 ohm
R624	24366229	CF, 2.2 ohm
R631	24366562	CF, 5600 ohm
R632	24366473	CF, 47k ohm
R633	24366223	CF, 22k ohm
R634	24366562	CF, 5600 ohm
R641	24366332	CF, 3300 ohm
R642	24366562	CF, 5600 ohm
R643	24366229	CF, 2.2 ohm
R644	24366229	CF, 2.2 ohm
R662	24366104	CF, 100k ohm
R663	24366104	CF, 100k ohm
R664	24366102	CF, 1k ohm
R665	24366102	CF, 1k ohm
R673	24366102	CF, 1k ohm
R675	24366102	CF, 1k ohm
R676	24366223	CF, 22k ohm
R677	24366223	CF, 22k ohm
R678	24366223	CF, 22k ohm
R679	24366223	CF, 22k ohm
R680	24366223	CF, 22k ohm
R681	24366223	CF, 22k ohm
R682	24366473	CF, 47k ohm
R683	24366223	CF, 22k ohm
R684	24366223	CF, 22k ohm
R685	24366223	CF, 22k ohm
R686	24366223	CF, 22k ohm
R688	24552391	OMF, 390 ohm, 1/2W
R688	24366222	CF, 2200 ohm
R689	24366682	CF, 6800 ohm
R690	24366681	CF, 680 ohm
R690	24552391	OMF, 390 ohm, 1/2W
R691	24366681	CF, 680 ohm
R691	24366822	CF, 8200 ohm

Location No.	Part No.	Description
R692	24366681	CF, 680 ohm
R692	24366562	CF, 5600 ohm
R693	24366681	CF, 680 ohm
R693	24366473	CF, 47k ohm
R694	24366103	CF, 10k ohm
R701	24872221	Chip, 220 ohm, 1/16W
R702	24872221	Chip, 220 ohm, 1/16W
R707	24872100	Chip, 10 ohm, 1/16W
R708	24872100	Chip, 10 ohm, 1/16W
R709	24872100	Chip, 10 ohm, 1/16W
R710	24872100	Chip, 10 ohm, 1/16W
R711	24872100	Chip, 10 ohm, 1/16W
R712	24872100	Chip, 10 ohm, 1/16W
R713	24872100	Chip, 10 ohm, 1/16W
R714	24872100	Chip, 10 ohm, 1/16W
R715	24872153	Chip, 15k ohm, 1/16W
R716	24872103	Chip, 10k ohm, 1/16W
R717	24872622	Chip, 6200 ohm, 1/16W
R718	24872152	Chip, 1500 ohm, 1/16W
R720	24872103	Chip, 10k ohm, 1/16W
R721	24872223	Chip, 22k ohm, 1/16W
R722	24872222	Chip, 2200 ohm, 1/16W
R725	24872754	Chip, 750k ohm, 1/16W
R727	24871221	Chip, 220 ohm, 1/8W
R728	24872393	Chip, 39k ohm, 1/16W
R729	24872153	Chip, 15k ohm, 1/16W
R735	24872911	Chip, 910 ohm, 1/16W
R736	24872911	Chip, 910 ohm, 1/16W
R737	24872152	Chip, 1500 ohm, 1/16W
R738	24872332	Chip, 3300 ohm, 1/16W
R739	24872362	Chip, 3600 ohm, 1/16W
R740	24872911	Chip, 910 ohm, 1/16W
R741	24872911	Chip, 910 ohm, 1/16W
R742	24872152	Chip, 1500 ohm, 1/16W
R743	24872332	Chip, 3300 ohm, 1/16W
R744	24872362	Chip, 3600 ohm, 1/16W
R745	24872911	Chip, 910 ohm, 1/16W
R746	24872911	Chip, 910 ohm, 1/16W
R747	24872152	Chip, 1500 ohm, 1/16W
R748	24872332	Chip, 3300 ohm, 1/16W
R749	24872362	Chip, 3600 ohm, 1/16W
R750	24872911	Chip, 910 ohm, 1/16W
R751	24872911	Chip, 910 ohm, 1/16W
R752	24872152	Chip, 1500 ohm, 1/16W
R753	24872332	Chip, 3300 ohm, 1/16W
R754	24872362	Chip, 3600 ohm, 1/16W
R755	24872911	Chip, 910 ohm, 1/16W
R756	24872911	Chip, 910 ohm, 1/16W
R757	24872152	Chip, 1500 ohm, 1/16W
R758	24872332	Chip, 3300 ohm, 1/16W
R759	24872362	Chip, 3600 ohm, 1/16W
R760	24872911	Chip, 910 ohm, 1/16W
R761	24872911	Chip, 910 ohm, 1/16W
R762	24872152	Chip, 1500 ohm, 1/16W
R763	24872332	Chip, 3300 ohm, 1/16W
R764	24872362	Chip, 3600 ohm, 1/16W
R778	24872101	Chip, 100 ohm, 1/16W
R779	24872101	Chip, 100 ohm, 1/16W
R780	24872101	Chip, 100 ohm, 1/16W
R781	24872101	Chip, 100 ohm, 1/16W
R782	24872101	Chip, 100 ohm, 1/16W
R783	24872101	Chip, 100 ohm, 1/16W
R784	24872472	Chip, 4700 ohm, 1/16W
R785	24872472	Chip, 4700 ohm, 1/16W

Location No.	Part No.	Description
R786	24872472	Chip, 4700 ohm, 1/16W
R787	24872472	Chip, 4700 ohm, 1/16W
⚠R801	24009954	Metal-Glazed Resistor, 2.2M ohm, 1/2W
R803	24383393	OMF, 39k ohm, 2W
R804	24545109	FR, 1 ohm, 1/4W
R805	24366101	CF, 100 ohm
R806	24007061	Cement, 1.8 ohm, ±10%, 2W
R807	24510479	Cement, 4.7 ohm, 5W
R808	24552472	OMF, 4700 ohm, 1/2W
R8101	24383122	OMF, 1200 ohm, 2W
R8102	24383122	OMF, 12 00 ohm, 2W
R812	24381103	OMF, 10k ohm, 1/2W
R813	24366182	CF, 1800 ohm
R814	24366122	CF, 1200 ohm
R815	24552102	OMF, 1k ohm, 1/2W
R816	24323689	MF, 6.8 ohm, 2W
R818	24322278	MF, 0.27 ohm, 1W
R819	24321568	MF, 0.56 ohm, 1/2W
R821	24366101	CF, 100 ohm
R822	24321568	MF, 0.56 ohm, 1/2W
R824	24366472	CF, 4700 ohm
R825	24366153	CF, 15k ohm
R827	24366102	CF, 1k ohm
R828	24366562	CF, 5600 ohm
R829	24322278	MF, 0.27 ohm, 1W
R830	24569181	Cement, 180 ohm, 10W
R831	24383152	OMF, 1500 ohm, 2W
R832	24383152	OMF, 1500 ohm, 2W
R836	24327620	Metal, 62 ohm, ±3%, 1/4W
R840	24366681	CF, 680 ohm
R842	24381471	OMF, 470 ohm, 1/2W
R843	24552561	OMF, 560 ohm, 1/2W
R847	24366102	CF, 1k ohm
R851	24545109	FR, 1 ohm, 1/4W
R861	24569229	Cement, 2.2 ohm, 10W
R862	24383393	OMF, 39k ohm, 2W
R863	24383120	OMF, 12 ohm, 2W
R863	24383120	OMF, 12 ohm, 2W
R864	24366101	CF, 100 ohm
R864	24366101	CF, 100 ohm
R865	24323518	OMF, 0.51 ohm, 2W
R865	24323518	OMF, 0.51 ohm, 2W
R866	24552102	OMF, 1k ohm, 1/2W
R866	24552102	OMF, 1k ohm, 1/2W
R867	24321568	MF, 0.56 ohm, 1/2W
R868	24552103	OMF, 10k ohm, 1/2W
R869	24366272	CF, 2700 ohm
R870	24366122	CF, 1200 ohm
R871	24366272	CF, 2700 ohm
R872	24366392	CF, 3900 ohm
R879	24366102	CF, 1k ohm
R882	24366472	CF, 4700 ohm
R883	24366472	CF, 4700 ohm
R884	24366472	CF, 4700 ohm
R885	24366472	CF, 4700 ohm
R886	24366472	CF, 4700 ohm
R887	24552162	OMF, 1600 ohm, 1/2W
R889	24366102	CF, 1k ohm
R890	24382333	OMF, 33k ohm, 1W
R892	24552471	OMF, 470 ohm, 1/2W
R893	24552561	OMF, 560 ohm, 1/2W
R894	24366562	CF, 5600 ohm
R895	24531120	FR, 12 ohm, 1/2W

Location No.	Part No.	Description
R896	24366102	CF, 1k ohm
R897	24366101	CF, 100 ohm
R898	24366681	CF, 680 ohm
⚠R899	24005007	Metal-Glazed Resistor, 8.2M ohm, 1W
R901	24366101	CF, 100 ohm
R902	24366101	CF, 100 ohm
R903	24942102	CC, 1000pF, 1/2W
R904	24366102	CF, 1k ohm
R905	24366151	CF, 150 ohm
R906	24366471	CF, 470 ohm
R907	24327131	MF, 130 ohm, ±1%, 1/4W
R908	24366430	CF, 43 ohm
R909	24366300	CF, 30 ohm
R911	24366101	CF, 100 ohm
R912	24366101	CF, 100 ohm
R913	24942102	CC, 1000pF, 1/2W
R914	24366102	CF, 1k ohm
R915	24366121	CF, 120 ohm
R916	24366471	CF, 470 ohm
R917	24327131	MF, 130 ohm, ±1%, 1/4W
R918	24366430	CF, 43 ohm
R919	24366300	CF, 30 ohm
R921	24366101	CF, 100 ohm
R922	24366101	CF, 100 ohm
R923	24942102	CC, 1000pF, 1/2W
R924	24366102	CF, 1k ohm
R925	24366151	CF, 150 ohm
R926	24366471	CF, 470 ohm
R927	24327270	MF, 27 ohm, ±1%, 1/4W
R928	24366430	CF, 43 ohm
R929	24366300	CF, 30 ohm
R931	24555153	OMF, 15k ohm, 3W
R932	24555153	OMF, 15k ohm, 3W
R933	24000961	FR, 2.2 ohm, 2W
R934	24942121	CC, 120 ohm, 1/2W
R935	24366150	CF, 15 ohm
R941	24555153	OMF, 15k ohm, 3W
R942	24555153	OMF, 15k ohm, 3W
R943	24366103	CF, 10k ohm
R944	24366120	CF, 12 ohm
R945	24366101	CF, 100 ohm
R951	24555153	OMF, 15k ohm, 3W
R952	24555153	OMF, 15k ohm, 3W
R953	24366390	CF, 39 ohm
R954	24366221	CF, 220 ohm
R955	24366151	CF, 150 ohm
R957	24366821	CF, 820 ohm
R961	24366821	CF, 820 ohm
R962	24366391	CF, 390 ohm
R963	24366222	CF, 2200 ohm
R964	24366332	CF, 3300 ohm
R965	24366471	CF, 470 ohm
R966	24366821	CF, 820 ohm
R967	24366122	CF, 1200 ohm
R968	24366101	CF, 100 ohm
R969	24366103	CF, 10k ohm
R970	24366222	CF, 2200 ohm
R971	24367152	CF, 1500 ohm, ±2%
R972	24367471	CF, 470 ohm, ±2%
R973	24367681	CF, 680 ohm, ±2%
R974	24367681	CF, 680 ohm, ±2%
R975	24366242	CF, 2400 ohm
R976	24367682	CF, 560 ohm, ±2%

Location No.	Part No.	Description
R977	24367152	CF, 1500 ohm, ±2%
R978	24367681	CF, 680 ohm, ±2%
R6101	24366473	CF, 47k ohm
R6102	24366103	CF, 10k ohm
R6103	24366331	CF, 330 ohm
R6104	24366473	CF, 47k ohm
R6105	24366473	CF, 47k ohm
R7707	24366472	CF, 4700 ohm
R7708	24366472	CF, 4700 ohm
R7710	24555680	OMF, 68 ohm, 3W
R7711	24323229	MF, 2.2 ohm, 2W
R7712	24366472	CF, 4700 ohm
R7713	24366472	CF, 4700 ohm
R7715	24555680	OMF, 68 ohm, 3W
R7716	24323229	MF, 2.2 ohm, 2W
R7717	24366472	CF, 4700 ohm
R7718	24366472	CF, 4700 ohm
R7720	24555680	OMF, 68 ohm, 3W
R7721	24323229	MF, 2.2 ohm, 2W
R7722	24366472	CF, 4700 ohm
R7723	24366472	CF, 4700 ohm
R7725	24555680	OMF, 68 ohm, 3W
R7726	24323229	MF, 2.2 ohm, 2W
R7727	24366472	CF, 4700 ohm
R7728	24366472	CF, 4700 ohm
R7730	24555680	OMF, 68 ohm, 3W
R7731	24323229	MF, 2.2 ohm, 2W
R7732	24366472	CF, 4700 ohm
R7733	24366472	CF, 4700 ohm
R7735	24555680	OMF, 68 ohm, 3W
R7736	24323229	MF, 2.2 ohm, 2W
R7738	24554101	OMF, 100 ohm, 2W
R7741	24366102	CF, 1k ohm
R7742	24366332	CF, 3300 ohm
R7743	24366223	CF, 22k ohm
R7744	24366222	CF, 2200 ohm
R7745	24366332	CF, 3300 ohm
R7746	24366223	CF, 22k ohm
R7747	24366222	CF, 2200 ohm
R7749	24366331	CF, 330 ohm
R7750	24323278	MF, 0.27 ohm, 2W
R7751	24366471	CF, 470 ohm
R7757	24366223	CF, 22k ohm
R7758	24366222	CF, 2200 ohm
R7763	24366471	CF, 470 ohm
R7764	24366331	CF, 330 ohm
R7765	24339398	MF, 0.39 ohm, 2W
R7766	24366223	CF, 22k ohm
R7767	24366562	CF, 5600 ohm
R7768	24366102	CF, 1k ohm
R7769	24366473	CF, 47k ohm
R7770	24366103	CF, 10k ohm
R7771	24366102	CF, 1k ohm
R7772	24366102	CF, 1k ohm
R7774	24554151	OMF, 10k ohm, 2W
R7775	24366273	CF, 27k ohm
R7776	24366472	CF, 4700 ohm
R7777	24366273	CF, 27k ohm
R7778	24366472	CF, 4700 ohm
R7779	24366102	CF, 1k ohm
R7780	24366102	CF, 1k ohm
R7781	24366333	CF, 33k ohm
R7782	24339828	OMF, 0.82 ohm, 2W
R7783	24366331	CF, 330 ohm

Location No.	Part No.	Description
R7784	24366471	CF, 470 ohm
R7785	24366222	CF, 2200 ohm
R7786	24366103	CF, 10k ohm
R7787	24366104	CF, 100k ohm
R7788	24366103	CF, 10k ohm
R7789	24366471	CF, 470 ohm
R7790	24552182	OMF, 1800 ohm, 1/2W
R7791	24552681	OMF, 680 ohm, 1/2W
R7792	24366471	CF, 470 ohm
R7801	24366472	CF, 4700 ohm
R7802	24366103	CF, 10k ohm
R7803	24366102	CF, 1k ohm
R7804	24366103	CF, 10k ohm
R7805	24366103	CF, 10k ohm
R7806	24366473	CF, 47k ohm
R8301	24366222	CF, 2200 ohm
R8302	24366472	CF, 4700 ohm
R8303	24510339	Cement, 3.3 ohm, 5W
RA03	24366102	CF, 1k ohm
RA04	24366102	CF, 1k ohm
RA05	24366102	CF, 1k ohm
RA06	24366102	CF, 1k ohm
RA07	24366102	CF, 1k ohm
RA08	24366102	CF, 1k ohm
RA13	24366153	CF, 15k ohm
RA14	24366103	CF, 10k ohm
RA16	24366102	CF, 1k ohm
RA17	24366102	CF, 1k ohm
RA18	24366102	CF, 1k ohm
RA25	24366331	CF, 330 ohm
RA26	24366102	CF, 1k ohm
RA27	24366102	CF, 1k ohm
RA33	24366103	CF, 10k ohm
RA35	24366102	CF, 1k ohm
RA36	24366103	CF, 10k ohm
RA37	24366101	CF, 100 ohm
RA38	24366101	CF, 100 ohm
RA60	24366470	CF, 47 ohm
RA61	24366103	CF, 10k ohm
RA62	24366103	CF, 10k ohm
RA67	24366272	CF, 2700 ohm
RA68	24366272	CF, 2700 ohm
RA70	24366333	CF, 33k ohm
RA71	24366683	CF, 68k ohm
RA72	24366223	CF, 22k ohm
RA73	24366103	CF, 10k ohm
RA75	24366333	CF, 33k ohm
RA76	24366103	CF, 10k ohm
RA77	24366223	CF, 22k ohm
RA101	24366102	CF, 1k ohm
RA102	24366473	CF, 47k ohm
RA103	24366102	CF, 1k ohm
RB01	24366271	CF, 270 ohm
RB02	24366221	CF, 220 ohm
RB03	24366101	CF, 100 ohm
RB04	24366223	CF, 22k ohm
RB09	24366470	CF, 47 ohm
RB11	24366103	CF, 10k ohm
RB12	24366471	CF, 470 ohm
RB30	24366103	CF, 10k ohm
RB40	24366103	CF, 10k ohm
RB41	24366182	CF, 1800 ohm
RB42	24366102	CF, 1k ohm
RB43	24366103	CF, 10k ohm

Location No.	Part No.	Description
RB44	24366103	CF, 10k ohm
RB45	24366101	CF, 100 ohm
RB81	24366122	CF, 1200 ohm
RB82	24366123	CF, 12k ohm
RB83	24366123	CF, 12k ohm
RB84	24366562	CF, 5600 ohm
RB90	24366392	CF, 3900 ohm
RB91	24366473	CF, 47k ohm
RB92	24366271	CF, 270 ohm
RB93	24366271	CF, 270 ohm
RB94	24366222	CF, 2200 ohm
RB95	24366222	CF, 2200 ohm
RB96	24366273	CF, 27k ohm
RB97	24366273	CF, 27k ohm
RB98	24366102	CF, 1k ohm
RD01	24872101	Chip, 100 ohm, 1/16W
RD02	24872101	Chip, 100 ohm, 1/16W
RD03	24872101	Chip, 100 ohm, 1/16W
RD04	24872101	Chip, 100 ohm, 1/16W
RD05	24872104	Chip, 100k ohm, 1/16W
RD06	24872272	Chip, 2700 ohm, 1/16W
RD07	24872104	Chip, 100k ohm, 1/16W
RD08	24872272	Chip, 2700 ohm, 1/16W
RD09	24872104	Chip, 100k ohm, 1/16W
RD10	24872104	Chip, 100k ohm, 1/16W
RD11	24872272	Chip, 2700 ohm, 1/16W
RD12	24872562	Chip, 5600 ohm, 1/16W
RD13	24872103	Chip, 10k ohm, 1/16W
RD14	24872104	Chip, 100k ohm, 1/16W
RD15	24872222	Chip, 2200 ohm, 1/16W
RD16	24872103	Chip, 10k ohm, 1/16W
RD17	24872222	Chip, 2200 ohm, 1/16W
RD18	24872123	Chip, 12k ohm, 1/16W
RD19	24872822	Chip, 8200 ohm, 1/16W
RD20	24872105	Chip, 1M ohm, 1/16W
RD21	24872822	Chip, 8200 ohm, 1/16W
RD22	24872822	Chip, 8200 ohm, 1/16W
RD23	24872101	Chip, 100 ohm, 1/16W
RD24	24872562	Chip, 5600 ohm, 1/16W
RD25	24872272	Chip, 2700 ohm, 1/16W
RD26	24872822	Chip, 8200 ohm, 1/16W
RD27	24872822	Chip, 8200 ohm, 1/16W
RD28	24872103	Chip, 10k ohm, 1/16W
RD29	24872103	Chip, 10k ohm, 1/16W
RD30	24872822	Chip, 8200 ohm, 1/16W
RD31	24872101	Chip, 100 ohm, 1/16W
RD32	24872473	Chip, 47k ohm, 1/16W
RD33	24872205	Chip, 2M ohm, 1/16W
RD34	24872822	Chip, 8200 ohm, 1/16W
RD35	24872822	Chip, 8200 ohm, 1/16W
RD36	24872822	Chip, 8200 ohm, 1/16W
RD37	24000593	Chip, 10k ohm, ±1%, 1/16W
RD38	24872912	Chip, 9100 ohm, 1/16W
RD39	24872562	Chip, 5600 ohm, 1/16W
RD40	24872104	Chip, 100k ohm, 1/16W
RD41	24872104	Chip, 100k ohm, 1/16W
RD42	24000593	Chip, 10k ohm, ±1%, 1/16W
RD43	24000593	Chip, 10k ohm, ±1%, 1/16W
RD44	24000593	Chip, 10k ohm, ±1%, 1/16W
RD45	24872103	Chip, 10k ohm, 1/16W
RD46	24872183	Chip, 18k ohm, 1/16W
RD47	24872912	Chip, 9100 ohm, 1/16W
RD48	24872362	Chip, 3600 ohm, 1/16W
RD49	24872103	Chip, 10k ohm, 1/16W

Location No.	Part No.	Description
RD50	24872203	Chip, 20k ohm, 1/16W
RD51	24872472	Chip, 4700 ohm, 1/16W
RD52	24872104	Chip, 100k ohm, 1/16W
RD53	24872123	Chip, 12k ohm, 1/16W
RD54	24872103	Chip, 10k ohm, 1/16W
RD55	24872153	Chip, 15k ohm, 1/16W
RD56	24872392	Chip, 3900 ohm, 1/16W
RD57	24872153	Chip, 15k ohm, 1/16W
RD58	24872562	Chip, 5600 ohm, 1/16W
RD59	24872123	Chip, 12k ohm, 1/16W
RD60	24872103	Chip, 10k ohm, 1/16W
RD61	24872105	Chip, 1M ohm, 1/16W
RD64	24872103	Chip, 10k ohm, 1/16W
RD65	24872101	Chip, 100 ohm, 1/16W
RD66	24871222	Chip, 2200 ohm, 1/8W
RD67	24871182	Chip, 1800 ohm, 1/8W
RD68	24872101	Chip, 100 ohm, 1/16W
RD69	24871105	Chip, 1M ohm, 1/8W
RD70	24872103	Chip, 10k ohm, 1/16W
RD71	24872102	Chip, 1k ohm, 1/16W
RD73	24872102	Chip, 1k ohm, 1/16W
RD74	24872102	Chip, 1k ohm, 1/16W
RD77	24872153	Chip, 15k ohm, 1/16W
RD78	24872103	Chip, 10k ohm, 1/16W
RD79	24872101	Chip, 100 ohm, 1/16W
RD80	24872101	Chip, 100 ohm, 1/16W
RD81	24872101	Chip, 100 ohm, 1/16W
RD82	24872101	Chip, 100 ohm, 1/16W
RF01	24366332	CF, 3300 ohm
RF02	24366103	CF, 10k ohm
RF03	24366682	CF, 6800 ohm
RF04	24366223	CF, 22k ohm
RF06	24366683	CF, 68k ohm
RF08	24366100	CF, 10 ohm
RF09	24366100	CF, 10 ohm
RF10	24366100	CF, 10 ohm
RF11	24366103	CF, 10k ohm
RF12	24366101	CF, 100 ohm
RF13	24366101	CF, 100 ohm
RF14	24366101	CF, 100 ohm
RF15	24366103	CF, 10k ohm
RF16	24366471	CF, 470 ohm
RF20	24366472	CF, 4700 ohm
RF21	24366100	CF, 10 ohm
RF22	24366102	CF, 1k ohm
RF24	24366102	CF, 1k ohm
RF26	24366102	CF, 1k ohm
RF27	24366103	CF, 10k ohm
RF28	24366102	CF, 1k ohm
RF29	24366103	CF, 10k ohm
RF30	24366103	CF, 10k ohm
RF38	24366153	CF, 15k ohm
RG01	24366223	CF, 22k ohm
RG02	24366223	CF, 22k ohm
RG03	24366101	CF, 100 ohm
RG04	24366101	CF, 100 ohm
RG05	24366101	CF, 100 ohm
RG06	24366101	CF, 100 ohm
RG07	24366101	CF, 100 ohm
RG08	24366101	CF, 100 ohm
RG09	24366123	CF, 12k ohm
RG10	24366303	CF, 30k ohm
RG11	24366123	CF, 12k ohm
RG12	24366303	CF, 30k ohm

Location No.	Part No.	Description
RG13	24366102	CF, 1k ohm
RG14	24366102	CF, 1k ohm
RG15	24366223	CF, 22k ohm
RG16	24366473	CF, 47k ohm
RG17	24366223	CF, 22k ohm
RG18	24366333	CF, 33k ohm
RQ01	24366102	CF, 1k ohm
RQ02	24366475	CF, 4.7M ohm
RQ03	24366102	CF, 1k ohm
RQ04	24366511	CF, 510 ohm
RQ05	24366471	CF, 470 ohm
RQ06	24366471	CF, 470 ohm
RQ07	24366103	CF, 10k ohm
RQ08	24366102	CF, 1k ohm
RQ09	24366102	CF, 1k ohm
RQ10	24366102	CF, 1k ohm
RQ11	24366561	CF, 560 ohm
RQ12	24366561	CF, 560 ohm
RQ13	24366203	CF, 20k ohm
RQ14	24366273	CF, 27k ohm
RR01	24366472	CF, 4700 ohm
RR02	24366472	CF, 4700 ohm
RR03	24366472	CF, 4700 ohm
RR10	24366103	CF, 10k ohm
RR100	24366472	CF, 4700 ohm
RR101	24366472	CF, 4700 ohm
RR102	24366472	CF, 4700 ohm
RR103	24366122	CF, 1200 ohm
RR104	24366122	CF, 1200 ohm
RR105	24366122	CF, 1200 ohm
RR11	24366223	CF, 22k ohm
RR17	24366102	CF, 1k ohm
RR18	24366102	CF, 1k ohm
RR20	24366472	CF, 4700 ohm
RR22	24366473	CF, 47k ohm
RR23	24366101	CF, 100 ohm
RR24	24366182	CF, 1800 ohm
RR25	24366182	CF, 1800 ohm
RR26	24366182	CF, 1800 ohm
RR27	24366473	CF, 47k ohm
RR28	24366473	CF, 47k ohm
RR29	24366473	CF, 47k ohm
RR30	24366472	CF, 4700 ohm
RR31	24366471	CF, 470 ohm
RR60	24366102	CF, 1k ohm
RR61	24366102	CF, 1k ohm
RR62	24366102	CF, 1k ohm
RR63	24366102	CF, 1k ohm
RR71	24366102	CF, 1k ohm
RR72	24366102	CF, 1k ohm
RR73	24366102	CF, 1k ohm
RR74	24366101	CF, 100 ohm
RR75	24366101	CF, 100 ohm
RR76	24366101	CF, 100 ohm
RR77	24366103	CF, 10k ohm
RR78	24366103	CF, 10k ohm
RR97	24366102	CF, 1k ohm
RR99	24366101	CF, 100 ohm
RS01	24366681	CF, 680 ohm
RS02	24366681	CF, 680 ohm
RS03	24366101	CF, 100 ohm
RS04	24366101	CF, 100 ohm
RS05	24366472	CF, 4700 ohm
RS06	24366472	CF, 4700 ohm

Location No.	Part No.	Description
RS07	24366472	CF, 4700 ohm
RS08	24366472	CF, 4700 ohm
RS09	24366472	CF, 4700 ohm
RS10	24366472	CF, 4700 ohm
RS11	24366101	CF, 100 ohm
RS13	24366101	CF, 100 ohm
RS14	24366101	CF, 100 ohm
RS15	24366104	CF, 100k ohm
RS16	24366104	CF, 100k ohm
RS17	24366223	CF, 22k ohm
RS18	24366223	CF, 22k ohm
RS19	24366102	CF, 1k ohm
RS20	24366102	CF, 1k ohm
RS21	24366222	CF, 2200 ohm
RS22	24366222	CF, 2200 ohm
RS23	24366101	CF, 100 ohm
RS24	24366101	CF, 100 ohm
RS27	24366104	CF, 100k ohm
RS28	24366104	CF, 100k ohm
RS29	24366223	CF, 22k ohm
RS30	24366223	CF, 22k ohm
RS31	24366103	CF, 10k ohm
RS32	24366104	CF, 100k ohm
RS35	24366223	CF, 22k ohm
RS36	24366223	CF, 22k ohm
RS37	24366104	CF, 100k ohm
RS38	24366104	CF, 100k ohm
RS43	24366681	CF, 680 ohm
RS44	24366681	CF, 680 ohm
RS45	24366681	CF, 680 ohm
RS46	24366681	CF, 680 ohm
RV01	24366101	CF, 100 ohm
RV02	24366101	CF, 100 ohm
RV03	24366101	CF, 100 ohm
RV04	24366101	CF, 100 ohm
RV05	24366101	CF, 100 ohm
RV06	24366101	CF, 100 ohm
RV07	24366162	CF, 1600 ohm
RV08	24366162	CF, 1600 ohm
RV09	24366101	CF, 100 ohm
RV10	24366101	CF, 100 ohm
RV101	24366103	CF, 10k ohm
RV102	24366153	CF, 15k ohm
RV103	24366472	CF, 4700 ohm
RV104	24366102	CF, 1k ohm
RV12	24366681	CF, 680 ohm
RV13	24366681	CF, 680 ohm
RV18	24366123	CF, 12k ohm
RV19	24366101	CF, 100 ohm
RV20	24366101	CF, 100 ohm
RV21	24366221	CF, 220 ohm
RV22	24366680	CF, 68 ohm
RV23	24552101	OMF, 100 ohm, 1/2W
RV25	24366101	CF, 100 ohm
RV26	24366181	CF, 180 ohm
RV27	24366750	CF, 75 ohm
RV28	24366123	CF, 12k ohm
RV29	24366162	CF, 1600 ohm
RV30	24366750	CF, 75 ohm
RV301	24366104	CF, 100k ohm
RV302	24366100	CF, 10 ohm
RV303	24366222	CF, 2200 ohm
RV304	24366471	CF, 470 ohm
RV305	24366103	CF, 10k ohm

Location No.	Part No.	Description
RV306	24366271	CF, 270 ohm
RV32	24366750	CF, 75 ohm
RV33	24366123	CF, 12k ohm
RV34	24366123	CF, 12k ohm
RV35	24366103	CF, 10k ohm
RV41	24366104	CF, 100k ohm
RV42	24366471	CF, 470 ohm
RV43	24366471	CF, 470 ohm
RV44	24366471	CF, 470 ohm
RV45	24366100	CF, 10 ohm
RV46	24366112	CF, 1100 ohm
RV47	24366102	CF, 1k ohm
RV48	24366102	CF, 1k ohm
RV49	24366102	CF, 1k ohm
RV60	24366681	CF, 680 ohm
RV60	24366102	CF, 1k ohm
RV61	24366681	CF, 680 ohm
RV61	24552101	OMF, 100 ohm, 1/2W
RV62	24366101	CF, 100 ohm
RV63	24552820	OMF, 82 ohm, 1/2W
RV64	24366750	CF, 75 ohm
RV65	24552101	OMF, 100 ohm, 1/2W
RV66	24366101	CF, 100 ohm
RV67	24552820	OMF, 82 ohm, 1/2W
RV68	24366750	CF, 75 ohm
RV70	24366431	CF, 430 ohm
RV71	24366471	CF, 470 ohm
RV75	24366332	CF, 3300 ohm
RV76	24366220	CF, 22 ohm
RV77	24366182	CF, 1800 ohm
RV81	24366750	CF, 75 ohm
RV82	24366220	CF, 22 ohm
RV83	24366220	CF, 22 ohm
RV84	24366220	CF, 22 ohm
RV85	24366750	CF, 75 ohm
RV85	24366510	CF, 51 ohm
RV86	24366510	CF, 51 ohm
RV87	24366750	CF, 75 ohm
RV87	24366510	CF, 51 ohm
RV89	24366750	CF, 75 ohm
RV90	24366681	CF, 680 ohm
RV91	24366681	CF, 680 ohm
RV99	24366103	CF, 10k ohm
RW02	24366222	CF, 2200 ohm
RW09	24366563	CF, 56k ohm
RW13	24366393	CF, 39k ohm
RW14	24552121	OMF, 120 ohm, 1/2W
RW15	24366223	CF, 22k ohm
RW16	24366273	CF, 27k ohm
RW17	24366333	CF, 33k ohm
RW18	24366222	CF, 2200 ohm
RW19	24366392	CF, 3900 ohm
RW20	24366392	CF, 3900 ohm
RW21	24366102	CF, 1k ohm
RW22	24552471	OMF, 470 ohm, 1/2W
RW23	24366471	CF, 470 ohm
RW24	24366470	CF, 47 ohm
RW25	24366182	CF, 1800 ohm
RW30	24552100	OMF, 10 ohm, 1/2W
RW31	24552331	OMF, 330 ohm, 1/2W
RW32	24366820	CF, 82 ohm
RW33	24366683	CF, 68k ohm
RW34	24366820	CF, 82 ohm
RW35	24366683	CF, 68k ohm

Location No.	Part No.	Description
RW36	24366620	CF, 62 ohm
RW37	24366152	CF, 1500 ohm
RW38	24366123	CF, 12k ohm
RW39	24366152	CF, 1500 ohm
RW40	24366620	CF, 62 ohm
RW41	24366279	
RW42	24366279	
RW43	24554221	OMF, 220 ohm, 2W
RW44	24366122	CF, 1200 ohm
RW45	24366122	CF, 1200 ohm
RZ01	24366471	CF, 470 ohm
RZ02	24366152	CF, 1500 ohm
RZ04	24366332	CF, 3300 ohm
RZ05	24366332	CF, 3300 ohm
RZ06	24366821	CF, 820 ohm
RZ07	24366822	CF, 8200 ohm
RZ08	24366332	CF, 3300 ohm
RZ12	24366471	CF, 470 ohm
RZ14	24366123	CF, 12k ohm
RZ15	24366392	CF, 3900 ohm
RZ16	24366122	CF, 1200 ohm
RZ17	24366331	CF, 330 ohm
RZ18	24366821	CF, 820 ohm
RZ19	24366471	CF, 470 ohm
RZ20	24366122	CF, 1200 ohm
RZ21	24366680	CF, 68 ohm
RZ22	24366101	CF, 100 ohm
RZ23	24366821	CF, 820 ohm
RZ24	24366821	CF, 820 ohm
RZ25	24366101	CF, 100 ohm
RZ26	24366101	CF, 100 ohm
RZ28	24366564	CF, 560k ohm
RZ29	24366331	CF, 330 ohm
RZ30	24366331	CF, 330 ohm
RZ31	24366102	CF, 1k ohm

COILS & TRANSFORMERS

L101	23221803	Coil, Choke, TLN3040D
L301	23103859	Coil (Ferrite Bead), TEM2011
L303	23237975	Coil, Peaking, TRF4101AC
L400	23289100	Coil, Peaking, TRF4100AF
L401	23221746	Coil, Choke, TLN3155D
L410	23289220	Coil, Peaking, TRF4220AF
L441	23233947	Coil, Linearity, TLN2144G
L442	23221974	Coil, Choke, TLN3007
L461	23248115	Coil, Choke, TLN3367D
⚠L462	23231135	Deflection Yoke, TDY707AS(R)
⚠L463	23231136	Deflection Yoke, TDY707AS(G)
⚠L464	23231137	Deflection Yoke, TDY707AS(B)
L465	23103880	Coil (Ferrite Bead), TEM2011Y
L472	23102441	Magnet, MAG1094
L473	23102441	Magnet, MAG1094
L474	23102441	Magnet, MAG1094
L501	23289479	Coil, Peaking, TRF44R7AF
L503	23289470	Coil, Peaking, TRF4470AF
L504	23289479	Coil, Peaking, TRF44R7AF
L602	23238714	Coil, Peaking, TRF4100AJ
L603	23238714	Coil, Peaking, TRF4100AJ
L676	23238562	Coil, Peaking, TRF4109AJ
L677	23238562	Coil, Peaking, TRF4109AJ
L682	23289109	Coil, Peaking, TRF41R0AF
L683	23289109	Coil, Peaking, TRF41R0AF
L701	23238562	Coil, Peaking, TRF4109AJ
L702	23238562	Coil, Peaking, TRF4109AJ

Location No.	Part No.	Description
L707	23238562	Coil, Peaking, TRF4109AJ
L708	23238562	Coil, Peaking, TRF4109AJ
L709	23238562	Coil, Peaking, TRF4109AJ
L710	23238562	Coil, Peaking, TRF4109AJ
L711	23238562	Coil, Peaking, TRF4109AJ
L712	23238562	Coil, Peaking, TRF4109AJ
L713	23238562	Coil, Peaking, TRF4109AJ
L714	23238562	Coil, Peaking, TRF4109AJ
L719	23232878	Coil, Variable, TRF3503K
L720	23289102	Coil, Peaking, TRF4102AJ
L721	23237805	Coil, Peaking, TRF4222
L722	23289102	Coil, Peaking, TRF4102AJ
L723	23237805	Coil, Peaking, TRF4222
L724	23289102	Coil, Peaking, TRF4102AJ
L725	23237805	Coil, Peaking, TRF4222
L726	23289102	Coil, Peaking, TRF4102AJ
L727	23237805	Coil, Peaking, TRF4222
L728	23289102	Coil, Peaking, TRF4102AJ
L729	23237805	Coil, Peaking, TRF4222
L730	23289102	Coil, Peaking, TRF4102AJ
L731	23237805	Coil, Peaking, TRF4222
L737	23289560	Coil, Peaking, TRF4560
L738	23289560	Coil, Peaking, TRF4560
L739	23289560	Coil, Peaking, TRF4560
L740	23289560	Coil, Peaking, TRF4560
L742	23103866	Chip (Ferrite Bead), TEM2105T
L743	23103866	Chip (Ferrite Bead), TEM2105T
L744	23103866	Chip (Ferrite Bead), TEM2105T
L745	23103866	Chip (Ferrite Bead), TEM2105T
L746	23103866	Chip (Ferrite Bead), TEM2105T
L747	23103866	Chip (Ferrite Bead), TEM2105T
L748	23103866	Chip (Ferrite Bead), TEM2105T
L749	23103866	Chip (Ferrite Bead), TEM2105T
L811	23103859	Coil (Ferrite Bead), TEM2011
L812	23103859	Coil (Ferrite Bead), TEM2011
L813	23103859	Coil (Ferrite Bead), TEM2011
L814	23221747	Coil, Choke, TRF9253D
L820	23289100	Coil, Peaking, TRF4100AF
L851	23103859	Coil (Ferrite Bead), TEM2011
L853	23103859	Coil (Ferrite Bead), TEM2011
L854	23103859	Coil (Ferrite Bead), TEM2011
L855	23103859	Coil (Ferrite Bead), TEM2011
L856	23103859	Coil (Ferrite Bead), TEM2011
L857	23103859	Coil (Ferrite Bead), TEM2011
L858	23103859	Coil (Ferrite Bead), TEM2011
L859	23103859	Coil (Ferrite Bead), TEM2011
L860	23103859	Coil (Ferrite Bead), TEM2011
L870	23238711	Coil, Peaking, TRF4180AJ
L882	23248087	Coil, Choke, TLN3312D
L883	23103859	Coil (Ferrite Bead), TEM2011
L885	23248073	Coil, Choke, TLN3299D
L886	23103859	Coil (Ferrite Bead), TEM2011
L888	23103859	Coil (Ferrite Bead), TEM2011
L889	23248087	Coil, Choke, TLN3312D
L891	23103859	Coil (Ferrite Bead), TEM2011
L896	23103859	Coil (Ferrite Bead), TEM2011
L911	23237987	Coil, Peaking, TRF4100AC
L961	23237987	Coil, Peaking, TRF4100AC
L962	23237991	Coil, Peaking, TRF4479AC
L963	23237975	Coil, Peaking, TRF4101AC
L6101	23103859	Coil (Ferrite Bead), TEM2011
L7701	23103859	Coil (Ferrite Bead), TEM2011
L7702	23103859	Coil (Ferrite Bead), TEM2011
L7703	23103859	Coil (Ferrite Bead), TEM2011

Location No.	Part No.	Description
L7704	23103859	Coil (Ferrite Bead), TEM2011
L7705	23103859	Coil (Ferrite Bead), TEM2011
L7706	23103859	Coil (Ferrite Bead), TEM2011
L7707	23103859	Coil (Ferrite Bead), TEM2011
L7708	23103859	Coil (Ferrite Bead), TEM2011
L8101	23103859	Coil (Ferrite Bead), TEM2011
LA01	23289100	Coil, Peaking, TRF4100AF
LB01	23262996	Coil, IF, TRF1169D
LC05	23238562	Coil, Peaking, TRF4109AJ
LC06	23103859	Coil (Ferrite Bead), TEM2011
LC07	23238562	Coil, Peaking, TRF4109AJ
LC08	23238562	Coil, Peaking, TRF4109AJ
LD01	23103859	Coil (Ferrite Bead), TEM2011
LD02	23238714	Coil, Peaking, TRF4100AJ
LF01	23238562	Coil, Peaking, TRF4109AJ
LF02	23238562	Coil, Peaking, TRF4109AJ
LF03	23238562	Coil, Peaking, TRF4109AJ
LF04	23238562	Coil, Peaking, TRF4109AJ
LF05	23238562	Coil, Peaking, TRF4109AJ
LF06	23238562	Coil, Peaking, TRF4109AJ
LF07	23238562	Coil, Peaking, TRF4109AJ
LF08	23238714	Coil, Peaking, TRF4100AJ
LF09	23238714	Coil, Peaking, TRF4100AJ
LF10	23238562	Coil, Peaking, TRF4109AJ
LF11	23289109	Coil, Peaking, TRF41R0AF
LF13	23289100	Coil, Peaking, TRF4100AF
LF17	23289100	Coil, Peaking, TRF4100AF
LG41	23237999	Coil, Peaking, TRF4109AC
LQ01	23238709	Coil, Peaking, TRF4270AJ
LQ02	23238718	Coil, Peaking, TRF4479AJ
LQ03	23238718	Coil, Peaking, TRF4479AJ
LQ04	23238718	Coil, Peaking, TRF4479AJ
LS01	23289109	Coil, Peaking, TRF41R0AF
LV01	23103824	Coil, TEM2028K
LV02	23103824	Coil, TEM2028K
LV03	23103824	Coil, TEM2028K
LV04	23103824	Coil, TEM2028K
LV05	23103824	Coil, TEM2028K
LV06	23289109	Coil, Peaking, TRF41R0AF
LV07	23289109	Coil, Peaking, TRF41R0AF
LV30	23289150	Coil, Peaking, TRF4150AF
LV31	23289220	Coil, Peaking, TRF4220AF
LV37	23289150	Coil, Peaking, TRF4150AF
LV42	23289100	Coil, Peaking, TRF4100AF
LV43	23289100	Coil, Peaking, TRF4100AF
LV47	23289109	Coil, Peaking, TRF41R0AF
LV48	23238705	Coil, Peaking, TRF4560AJ
LW02	23261974	Coil, Choke, HC5-035
LW04	23103859	Coil (Ferrite Bead), TEM2011
LW05	23103859	Coil (Ferrite Bead), TEM2011
LZ01	23238712	Coil, Peaking, TRF4150AJ
LZ02	23238716	Coil, Peaking, TRF4689AJ
LZ03	23238716	Coil, Peaking, TRF4689AJ
LZ04	23238709	Coil, Peaking, TRF4270AJ
LZ05	23238716	Coil, Peaking, TRF4689AJ
LZ06	23238709	Coil, Peaking, TRF4270AJ
LZ07	23238709	Coil, Peaking, TRF4270AJ
LZ08	23238707	Coil, Peaking, TRF4390AJ
LZ09	70131060	Filter, ZBF253D-00
LZ10	70131060	Filter, ZBF253D-00
LZ11	23238709	Coil, Peaking, TRF4270AJ
T400	23224346	Transformer, Focus, TLN2168
T401	23224336	Transformer, Horiz. Drive, TLN1083

Location No.	Part No.	Description
⚠T461Z	23236508	Transformer, Flyback, TFB3078ZD
T801	23211694	Line Filter, TRF3209BG
T802	23211694	Line Filter, TRF3209BG
T803	23211666	Line Filter, TRF3197
T804	23211688	Line Filter, TRF3173AG
T805	23211666	Line Filter, TRF3197
⚠T806	23217358	Transformer, TPW2008AZ
⚠T807	23217353	Transformer, TPW2010AZ
⚠T862	23217325	Transformer, Converter, TPW3345AM
⚠T863	23217353	Transformer, Converter, TPW3369AM

SEMICONDUCTORS

Q200	A6317440	Transistor, 2SC1815-Y
Q201	A6317440	Transistor, 2SC1815-Y
Q203	A6734590	Transistor, 2SC752(G)TM-Y
Q204	A6317440	Transistor, 2SC1815-Y
Q205	A6317440	Transistor, 2SC1815-Y
Q274	A6317440	Transistor, 2SC1815-Y
Q275	A6002040	Transistor, RN1204
Q301	23319787	IC, LA7833S
Q302	B0384625	IC, TA8859CP
Q340	A6317440	Transistor, 2SC1815-Y
Q341	A6534053	Transistor, 2SA1015-Y(TE
Q350	A6317440	Transistor, 2SC1815-Y
Q351	A6534053	Transistor, 2SA1015-Y(TE
Q352	A6002030	Transistor, RN1203
Q353	A6002030	Transistor, RN1203
Q360	72112051	IC, TA5558S (55PJ6DG)
Q361	23314049	Transistor, 2SC3148 (55PJ6DG)
Q370	A6534053	Transistor, 2SA1015-Y(TE
Q402	A678971D	Transistor, 2SC1569 FA-5
Q404	A6872801	Transistor, 2SD2253(FA)
Q420	23314141	Transistor, 2SC3852
Q421	A6317440	Transistor, 2SC1815-Y
Q430	23314141	Transistor, 2SC3852
Q460	23314850	Transistor, 2SA1788-E
Q461	A6317440	Transistor, 2SC1815-Y
Q462	A6317440	Transistor, 2SC1815-Y
Q463	A6317440	Transistor, 2SC1815-Y
Q464	A6534053	Transistor, 2SA1015-Y(TE
Q470	A6317440	Transistor, 2SC1815-Y
Q480	23314246	Transistor, 2SC2023 LF-4
Q483	B0350510	IC, TA75458S
Q487	A6317440	Transistor, 2SC1815-Y
Q488	A6002040	Transistor, RN1204
Q489	A6012020	Transistor, RN2202
Q501	B0385673	IC, TA1222AN
Q502	A6317440	Transistor, 2SC1815-Y
Q503	A6317440	Transistor, 2SC1815-Y
Q510	A6317440	Transistor, 2SC1815-Y
Q601	23318413	IC, LA4282
Q6101	A6317440	Transistor, 2SC1815-Y
Q611	A6534053	Transistor, 2SA1015-Y(TE
Q612	A6534053	Transistor, 2SA1015-Y(TE
Q621	23314794	Transistor, 2PC1815Y
Q621	B0376795	IC, TA8200AH
Q631	A6317440	Transistor, 2SC1815-Y
Q641	B0376795	IC, TA8200AH
Q681	A6342206	Transistor, 2SC2878-A(TE
Q682	A6342206	Transistor, 2SC2878-A(TE

Location No.	Part No.	Description
Q683	A6342206	Transistor, 2SC2878-A(TE
Q684	A6342206	Transistor, 2SC2878-A(TE
Q690	23319808	IC, M5218AP
Q701	B0588213	IC, T7K64(Z)
Q703	23905014	IC, LC78816M
Q704	23905014	IC, LC78816M
Q705	23905014	IC, LC78816M
Q707	B0379550	IC, TA8667P
Q709	A6734590	Transistor, 2SC752(G)TM-Y
Q710	23314204	Transistor, 2SC2412K,Q
Q712	23905012	IC, CAT24C16
Q713	23905012	IC, CAT24C16
Q715	23319808	IC, M5218AP
Q717	23319808	IC, M5218AP
Q719	23319808	IC, M5218AP
Q751	23905094	IC, STK392-110
Q752	23905094	IC, STK392-110
Q754	23904841	IC, MCT7805BT
Q755	23904844	IC, MCT7809BT
Q756	23318841	IC, AN79M09F
Q757	A6317440	Transistor, 2SC1815-Y
Q758	A6317440	Transistor, 2SC1815-Y
Q759	A6534053	Transistor, 2SA1015-Y(TE
Q761	A6534053	Transistor, 2SA1015-Y(TE
Q762	A6317440	Transistor, 2SC1815-Y
Q764	B0487575	IC, TC74HC4050AP
Q765	A6317440	Transistor, 2SC1815-Y
Q766	A6317440	Transistor, 2SC1815-Y
Q767	B0470662	IC, TC4066BP
Q768	A6534053	Transistor, 2SA1015-Y(TE
Q769	A6317440	Transistor, 2SC1815-Y
Q770	A6534053	Transistor, 2SA1015-Y(TE
Q771	A6533730	Transistor, 2SA1012-Y
Q774	A6317440	Transistor, 2SC1815-Y
Q780	A6534053	Transistor, 2SA1015-Y(TE
Q781	A6317440	Transistor, 2SC1815-Y
Q782	A6317440	Transistor, 2SC1815-Y
Q801	23905084	IC, STR-S6709
Q802	23314141	Transistor, 2SC3852
Q803	23904247	IC, STR-S6708
Q804	23314141	Transistor, 2SC3852
Q823	23904274	IC, PQ09RF11
⚠Q826	A8645166	Photo Coupler, TLP721F(D4-G
⚠Q828	A8645166	Photo Coupler, TLP721F(D4-G
Q829	A6534053	Transistor, 2SA1015-Y(TE
Q830	23904273	IC, PQ05RF11
Q845	A6002050	Transistor, RN1205
Q846	A6317440	Transistor, 2SC1815-Y
Q850	A6317440	Transistor, 2SC1815-Y
Q850	A6534053	Transistor, 2SA1015-Y(TE
Q851	23905251	IC, SE024N
Q852	23318299	IC, L78MR05
Q855	A6317440	Transistor, 2SC1815-Y
Q857	A6317440	Transistor, 2SC1815-Y
Q858	A6002050	Transistor, RN1205
Q859	A6317440	Transistor, 2SC1815-Y
Q860	A6000050	Transistor, RN1005
Q901	A678971D	Transistor, 2SC1569 FA-5
Q902	A6734590	Transistor, 2SC752(G)TM-Y
Q911	A678971D	Transistor, 2SC1569 FA-5
Q913	A6734590	Transistor, 2SC752(G)TM-Y
Q914	A6321265	Transistor, 2SC2120-Y(TE)
Q921	A678971D	Transistor, 2SC1569 FA-5
Q922	A6734590	Transistor, 2SC752(G)TM-Y

Location No.	Part No.	Description
Q923	A6734590	Transistor, 2SC752(G)TM-Y
Q961	A6317440	Transistor, 2SC1815-Y
Q962	A6509154	Transistor, 2SA562TM-Y(T)
Q963	A6317440	Transistor, 2SC1815-Y
Q964	A6534053	Transistor, 2SA1015-Y(TE
Q965	A6317440	Transistor, 2SC1815-Y
Q966	A6534053	Transistor, 2SA1015-Y(TE
QA01	23905634	IC, TMP87CS38N
QA02	23904666	IC, NM24C08EN
QB01	A6317440	Transistor, 2SC1815-Y
QB02	A6534053	Transistor, 2SA1015-Y(TE
QB03	A6002050	Transistor, RN1205
QB81	A6342206	Transistor, 2SC2878-A(TE
QB82	A6342206	Transistor, 2SC2878-A(TE
QB83	23314791	Transistor, 2PA1015Y
QB92	23314794	Transistor, 2PC1815Y
QB93	23314791	Transistor, 2PA1015Y
QB94	23314791	Transistor, 2PA1015Y
QB95	23314791	Transistor, 2PA1015Y
QB96	23314791	Transistor, 2PA1015Y
QD01	23905042	IC, YSS215-F
QD02	23905787	IC, LH5P832N-10
QD03	23905041	IC, YSS238-D
QD04	23318981	IC, MC14053BF
QD05	B0345640	IC, TA7508F
QD06	B0345640	IC, TA7508F
QD07	B0345640	IC, TA7508F
QD08	23318981	IC, MC14053BF
QD10	B0345640	IC, TA7508F
QD11	B0350020	IC, TA75458F
QD12	B0385643	IC, TA1216AN
QF01	23904898	IC, SDA5273S
QF02	A6317440	Transistor, 2SC1815-Y
QF03	A6317440	Transistor, 2SC1815-Y
QF04	A6734590	Transistor, 2SC752(G)TM-Y
QF05	A6317440	Transistor, 2SC1815-Y
QF06	A6317440	Transistor, 2SC1815-Y
QF10	70129989	HM514400CZ-8
QG01	B0385647	IC, TA1217AN
QQ01	B0385755	IC, TA1229N
QQ02	B0383881	IC, TA8772AN
QQ03	23314794	Transistor, 2PC1815Y
QQ04	23314794	Transistor, 2PC1815Y
QR01	B0487584	IC, TC74HC4053AP
QR04	23314791	Transistor, 2PA1015Y
QR05	23314791	Transistor, 2PA1015Y
QR06	23314791	Transistor, 2PA1015Y
QR17	23314794	Transistor, 2PC1815Y
QR20	23314794	Transistor, 2PC1815Y
QR21	23314794	Transistor, 2PC1815Y
QR22	A6734590	Transistor, 2SC752(G)TM-Y
QR31	A6317440	Transistor, 2SC1815-Y
QR32	A6317440	Transistor, 2SC1815-Y
QR33	A6317440	Transistor, 2SC1815-Y
QR34	A6317440	Transistor, 2SC1815-Y
QR35	A6317440	Transistor, 2SC1815-Y
QR36	A6317440	Transistor, 2SC1815-Y
QR37	A6317440	Transistor, 2SC1815-Y
QR38	A6317440	Transistor, 2SC1815-Y
QS01	A6342206	Transistor, 2SC2878-A(TE
QS02	A6342206	Transistor, 2SC2878-A(TE
QS03	A6317440	Transistor, 2SC1815-Y
QS04	A6317440	Transistor, 2SC1815-Y
QS05	A6342206	Transistor, 2SC2878-A(TE

Location No.	Part No.	Description
QS06	A6342206	Transistor, 2SC2878-A(TE
QS07	A6010040	Transistor, RN2004
QS08	A6342206	Transistor, 2SC2878-A(TE
QS09	A6342206	Transistor, 2SC2878-A(TE
QV01	B0385650	IC, TA1218N
QV02	A6317440	Transistor, 2SC1815-Y
QV03	A6317440	Transistor, 2SC1815-Y
QV04	A6317440	Transistor, 2SC1815-Y
QV05	A6534053	Transistor, 2SA1015-Y(TE
QV06	A6534053	Transistor, 2SA1015-Y(TE
QV09	A6317440	Transistor, 2SC1815-Y
QV12	A6317440	Transistor, 2SC1815-Y
QV14	A6317440	Transistor, 2SC1815-Y
QV20	23314791	Transistor, 2PA1015Y
QV30	A6342206	Transistor, 2SC2878-A(TE
QV31	A6317440	Transistor, 2SC1815-Y
QW05	A6317440	Transistor, 2SC1815-Y
QW06	A6317440	Transistor, 2SC1815-Y
QW07	A6734590	Transistor, 2SC752(G)TM-Y
QW09	A6317440	Transistor, 2SC1815-Y
QW10	A6534053	Transistor, 2SA1015-Y(TE
QW11	23314701	Transistor, 2SA1186A
QW12	23314705	Transistor, 2SD1763A
QW19	A6317440	Transistor, 2SC1815-Y
QW20	A6317440	Transistor, 2SC1815-Y
QZ01	B0410688	IC, TC9090AN
QZ02	23319504	IC, MM1031XS
QZ03	23314794	Transistor, 2PC1815Y
QZ04	23314794	Transistor, 2PC1815Y
QZ05	23314794	Transistor, 2PC1815Y
QZ06	23314794	Transistor, 2PC1815Y
D101	23316694	Diode, Zener, UZT33
D201	23115599	Diode, 1N4148
D208	23115599	Diode, 1N4148
D222	23316687	Diode, Zener, MTZJ9.1B
D301	23118094	Diode, EU2A
D302	23118094	Diode, EU2A
D303	23115599	Diode, 1N4148
D308	23118822	Diode, ERB12-02
D309	23118822	Diode, ERB12-02
D312	23115599	Diode, 1N4148
D315	23115599	Diode, 1N4148
D332	23316794	Diode, SC570A
D340	23115599	Diode, 1N4148
D341	23316675	Diode, Zener, MTZJ6.2B
D350	23115599	Diode, 1N4148
D351	23115599	Diode, 1N4148
D352	23115599	Diode, 1N4148
D353	23316672	Diode, Zener, MTZJ5.6B
D354	23115599	Diode, 1N4148
D360	23316678	Duide, Zener, MTZJ6.8B (55PJ6DG)
D370	23316672	Diode, Zener, MTZJ5.6B
D406	A7978850	Diode, S5295G
D408	A7580658	Diode, 3JH41
D427	23316680	Diode, Zener, MTZJ7.5A
D430	23316670	Diode, Zener, MTZJ5.1C
D431	23115599	Diode, 1N4148
D432	23316670	Diode, Zener, MTZJ5.1C
D441	23316726	Diode, Zener, MTZJ15C
D442	A7568200	Diode, 1S1832
D443	23118338	Diode, RU4AM
D444	23118338	Diode, RU4AM
D448	23118056	Diode, AG01

Location No.	Part No.	Description
D458	23115774	Diode, Zener, RD6.2E(4)
D459	23115599	Diode, 1N4148
D460	A7568480	Diode, TVR-1G
D461	23316582	Diode, ERC20-06
D463	23115599	Diode, 1N4148
D464	23316718	Diode, Zener, MTZJ12A
D465	23316718	Diode, Zener, MTZJ12A
D467	A7568752	Diode, 1S1887A
D470	23115599	Diode, 1N4148
D471	A7568460	Diode, TVR-1B
D474	23316719	Diode, Zener, MTZJ12B
D482	23118094	Diode, EU2A
D486	23316742	Diode, Zener, MTZJ24B
D487	23118094	Diode, EU2A
D488	23115599	Diode, 1N4148
D489	23316659	Diode, Zener, MTZJ3.6B
D601	23115599	Diode, 1N4148
D602	23115599	Diode, 1N4148
D603	23115599	Diode, 1N4148
D604	23115599	Diode, 1N4148
D611	23115599	Diode, 1N4148
D612	23115599	Diode, 1N4148
D613	23115599	Diode, 1N4148
D614	23115599	Diode, 1N4148
D620	23115599	Diode, 1N4148
D621	23115599	Diode, 1N4148
D621	23115599	Diode, 1N4148
D622	23115599	Diode, 1N4148
D622	23115599	Diode, 1N4148
D623	23115599	Diode, 1N4148
D623	23115599	Diode, 1N4148
D624	23115599	Diode, 1N4148
D624	23115599	Diode, 1N4148
D625	23115599	Diode, 1N4148
D626	23115599	Diode, 1N4148
D641	23115599	Diode, 1N4148
D642	23115599	Diode, 1N4148
D643	23115599	Diode, 1N4148
D644	23115599	Diode, 1N4148
D645	23115599	Diode, 1N4148
D646	23115599	Diode, 1N4148
D701	23115537	Diode, 1SS131
D702	23115537	Diode, 1SS131
D703	23115537	Diode, 1SS131
D704	23115537	Diode, 1SS131
D801	23316784	Diode, RBV-1506
D803	23118094	Diode, EU2A
D804	23316678	Diode, Zener, MTZJ6.8B
D805	23115599	Diode, 1N4148
D806	23118094	Diode, EU2A
D808	23118094	Diode, EU2A
D809	A7270200	Diode, Zener, 1Z6.2
D810	23115599	Diode, 1N4148
D810	23316184	Diode, FML-G12S
D811	23115599	Diode, 1N4148
D812	23118451	Diode, RU-4A
D815	23316725	Diode, Zener, MTZJ15B
D816	23115599	Diode, 1N4148
D817	23316365	Diode, UZ30BSD
D820	23115599	Diode, 1N4148
D828	23115599	Diode, 1N4148
D850	23118173	Diode, RBV-406M-LFA
D852	23118094	Diode, EU2A
D853	23118094	Diode, EU2A

Location No.	Part No.	Description
D854	A7270200	Diode, Zener, 1Z6.2
D855	23316725	Diode, Zener, MTZJ15B
D856	23118094	Diode, EU2A
D857	23115599	Diode, 1N4148
D858	23118094	Diode, EU2A
D859	23316678	Diode, Zener, MTZJ6.8B
D860	23115599	Diode, 1N4148
D861	23316744	Diode, Zener, MTZJ24D
D862	23115599	Diode, 1N4148
D863	23118094	Diode, EU2A
D864	23316475	Diode, FMP-G12S
D865	23316475	Diode, FMP-G12S
D867	23118094	Diode, EU2A
D868	23316475	Diode, FMP-G12S
D869	23115599	Diode, 1N4148
D870	23115599	Diode, 1N4148
D871	23115599	Diode, 1N4148
D872	23316675	Diode, Zener, MTZJ6.2B
D873	23316678	Diode, Zener, MTZJ6.8B
D874	23115599	Diode, 1N4148
D875	23316760	Diode, Zener, MTZJ36D
D876	23115599	Diode, 1N4148
D877	23115599	Diode, 1N4148
D883	23316406	Diode, FML-G16S
D885	23316184	Diode, FML-G12S
D891	23316184	Diode, FML-G12S
D896	23316825	Diode, EU2YX
D899	24000656	Varistor, 470V
D901	23115599	Diode, 1N4148
D902	23115599	Diode, 1N4148
D903	23115599	Diode, 1N4148
D904	23115599	Diode, 1N4148
D905	23115599	Diode, 1N4148
D906	23115599	Diode, 1N4148
D908	23115599	Diode, 1N4148
D911	23115599	Diode, 1N4148
D912	23115599	Diode, 1N4148
D913	23115599	Diode, 1N4148
D914	23115599	Diode, 1N4148
D915	23115599	Diode, 1N4148
D918	23115599	Diode, 1N4148
D921	23115599	Diode, 1N4148
D922	23115599	Diode, 1N4148
D923	23115599	Diode, 1N4148
D924	23115599	Diode, 1N4148
D925	23115599	Diode, 1N4148
D926	23115599	Diode, 1N4148
D927	23115599	Diode, 1N4148
D928	23115599	Diode, 1N4148
D961	23115599	Diode, 1N4148
D962	23115599	Diode, 1N4148
D7701	23115599	Diode, 1N4148
D7702	23115532	Diode, ERB12-01
D7705	23115599	Diode, 1N4148
D7706	23115599	Diode, 1N4148
D7707	23115599	Diode, 1N4148
D7708	23115599	Diode, 1N4148
D7709	23316675	Diode, Zener, MTZJ6.2B
D7710	23316716	Diode, Zener, MTZJ11B
D7711	23316716	Diode, Zener, MTZJ11B
D7712	23115599	Diode, 1N4148
D7713	23115599	Diode, 1N4148
D7717	23316675	Diode, Zener, MTZJ6.2B
D7718	23316675	Diode, Zener, MTZJ6.2B

Location No.	Part No.	Description
D7719	23316675	Diode, Zener, MTZJ6.2B
D7720	23316675	Diode, Zener, MTZJ6.2B
D7721	23316675	Diode, Zener, MTZJ6.2B
D7722	23316675	Diode, Zener, MTZJ6.2B
D7726	23115599	Diode, 1N4148
D7727	23115599	Diode, 1N4148
D7728	23115599	Diode, 1N4148
D7729	23115599	Diode, 1N4148
D7801	23115599	Diode, 1N4148
D7802	23115599	Diode, 1N4148
D7803	23115599	Diode, 1N4148
D7804	23115599	Diode, 1N4148
D8203	23118094	Diode, EU2A
D8301	23118094	Diode, EU2A
DA42	23316675	Diode, Zener, MTZJ6.2B
DA43	23115599	Diode, 1N4148
DA44	23115599	Diode, 1N4148
DA45	23115599	Diode, 1N4148
DA46	23115599	Diode, 1N4148
DA69	23316675	Diode, Zener, MTZJ6.2B
DB01	23358493	LED, SPR54MVWFLMN
DB03	23358522	LED, SIR-56SB3F
DD01	A7150650	Diode, 1SS184
DD02	A7150650	Diode, 1SS184
DD03	A7150650	Diode, 1SS184
DF01	23316654	Diode, Zener, MTZJ3.0A
DF02	23115599	Diode, 1N4148
DR01	23115599	Diode, 1N4148
DR02	23115599	Diode, 1N4148
DR03	23316666	Diode, Zener, MTZJ4.7B
DR04	23115599	Diode, 1N4148
DR05	23115599	Diode, 1N4148
DR06	23115599	Diode, 1N4148
DR36	23115599	Diode, 1N4148
DV01	23316687	Diode, Zener, MTZJ9.1B
DV02	23316687	Diode, Zener, MTZJ9.1B
DV03	23316687	Diode, Zener, MTZJ9.1B
DV04	23316687	Diode, Zener, MTZJ9.1B
DV05	23316687	Diode, Zener, MTZJ9.1B
DV06	23316687	Diode, Zener, MTZJ9.1B
DV07	23316687	Diode, Zener, MTZJ9.1B
DV09	23115599	Diode, 1N4148
DV10	23115599	Diode, 1N4148
DV11	23115599	Diode, 1N4148
DV12	23316687	Diode, Zener, MTZJ9.1B
DV20	23115599	Diode, 1N4148
DW04	23115599	Diode, 1N4148
DW05	23115599	Diode, 1N4148
DW20	23115599	Diode, 1N4148
DW21	23115599	Diode, 1N4148
DZ01	23118622	Diode, Zener, RD10ESA B2

MISCELLANEOUS

⚠F470	23144873	Fuse, 1.0A
F470A	23165431	Holder, Fuse
F470B	23165431	Holder, Fuse
⚠F801	23144507	Fuse, 3.15A
F801A	23165433	Holder, Fuse
⚠F802	23144870	Fuse, 2.0A, 250V
F802A	23165433	Holder, Fuse
F802B	23165433	Holder, Fuse
⚠F803	23144870	Fuse, 2.0A, 250V
F803A	23165433	Holder, Fuse
F803B	23165433	Holder, Fuse

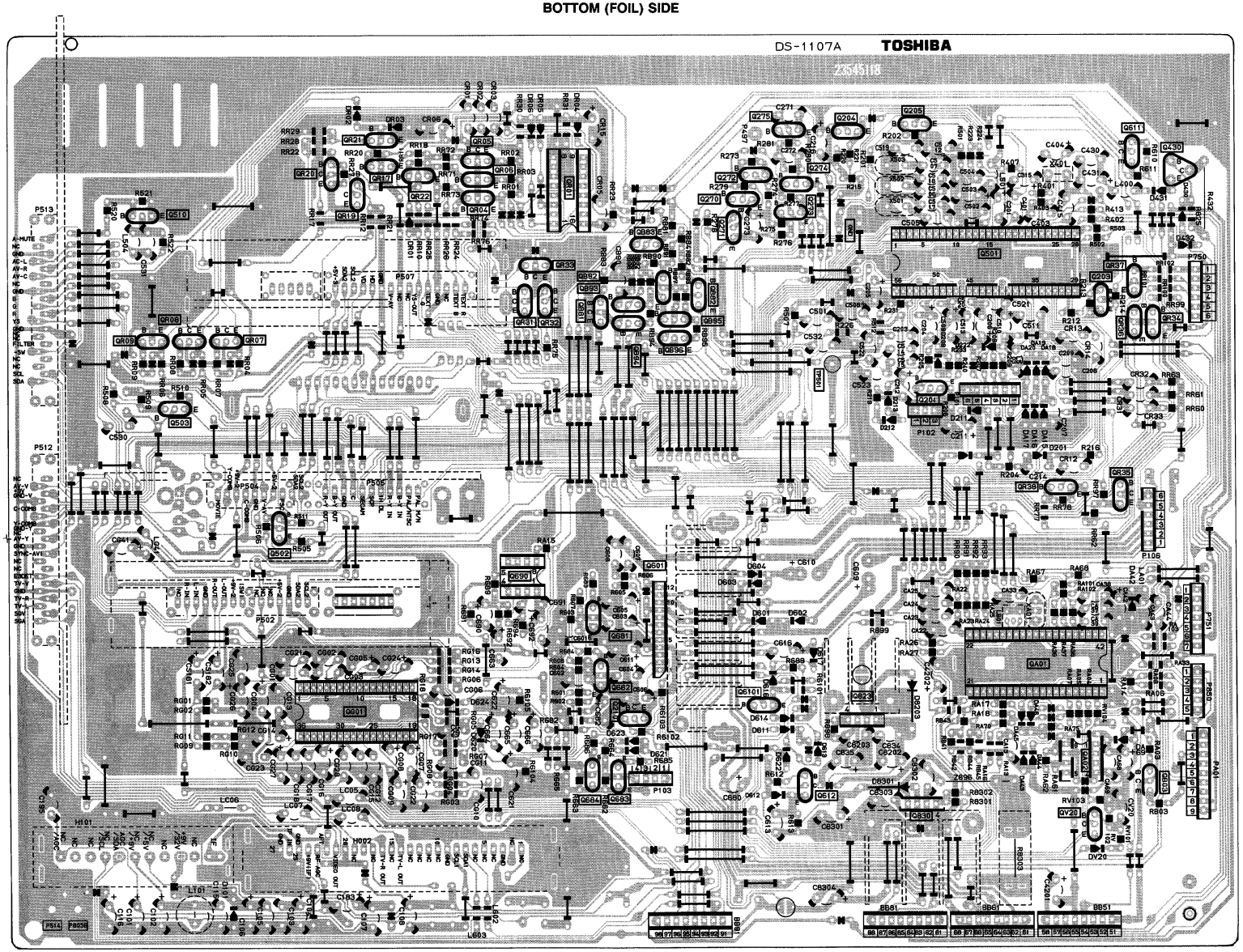
Location No.	Part No.	Description
⚠F804	23144870	Fuse, 2.0A, 250V
F804A	23165433	Holder, Fuse
F804B	23165433	Holder, Fuse
⚠F805	23144867	Fuse, 4.0A
F805A	23165431	Holder, Fuse
F805B	23165431	Holder, Fuse
⚠F807	23144870	Fuse, 2.0A, 250V
F807A	23165433	Holder, Fuse
F807B	23165433	Holder, Fuse
⚠F808	23144867	Fuse, 4.0A
F808A	23165433	Holder, Fuse
F808B	23165433	Holder, Fuse
H002	23148261	Module, MVGS47, IFFR MULTI
KB01	23904946	Remote Sensor, RPM-676CBR-S
P004	23161702	Terminal, 8P
⚠P801	23372014	Power Cord
S601	23344367	Switch, Slide, 6C2P
⚠S801	23145434	Switch, Power, 2C2P
SA01	23145226	Switch, Push, 1C1P
SA02	23145226	Switch, Push, 1C1P
SA03	23145226	Switch, Push, 1C1P
SA04	23145226	Switch, Push, 1C1P
SA06	23145226	Switch, Push, 1C1P
SA07	23145226	Switch, Push, 1C1P
⚠SR80	23146916	Power Relay, DG1U-12
⚠SR81	23146916	Power Relay, DG1U-12
⚠V901A	23902886	Socket, CRT, 9P
⚠V902A	23902886	Socket, CRT, 9P
⚠V903A	23902886	Socket, CRT, 9P
W661	23151232	Speaker, SPK-1235, 160x160mm, 8 ohm
W662	23151232	Speaker, SPK-1235, 160x160mm, 8 ohm
X401	23153721	Ceramic Resonator, 503kHz, TCR1023
X501	23153961	Crystal, 3.58MHz
X503	23153979	Crystal, 4.43MHz
XA01	23153325	Ceramic Resonator, 8.00M, TCR1056
XD01	23153399	Filter, TCR1066, 11.5MHz
XF01	23153421	Crystal, 20.48MHz
XQ01	23153969	Crystal, 4MHz
⚠Z410	23110834	Focus Pack, TPA6026
⚠Z450	24082877	CR Block, TPA5007
Z470	23110835	Focus Pack, TPA6025A
Z671	23107742	Filter, TEM1014
Z672	23107742	Filter, TEM1014
Z673	23107742	Filter, TEM1014
Z674	23107742	Filter, TEM1014
Z702	23103800	Filter, TEM2026D
Z703	23103800	Filter, TEM2026D
Z704	23103800	Filter, TEM2026D
Z705	23103800	Filter, TEM2026D
Z706	23103800	Filter, TEM2026D
Z707	23103800	Filter, TEM2026D
Z711	23103800	Filter, TEM2026D
Z712	23103800	Filter, TEM2026D
Z801	23904998	IC, HIC1016
⚠Z868	23144451	Protector, PRF5000, 125V, 5A
⚠Z889	23144451	Protector, PRF5000, 125V, 5A
⚠Z890	23144451	Protector, PRF5000, 125V, 5A
Z896	23144539	Protector, PRF20005491, 125V, 2A

Location No.	Part No.	Description
ZD01	23303108	Filter, TLC1203T
ZD02	23303108	Filter, TLC1203T
ZV30	23107519	Ceramic Video Trap, 4.43MHz, TCF1066
PC BOARD ASSEMBLIES		
U701	23705754	D-CONVER Board, PB6601 (48PJ6DG)
U701	23705884	D-CONVER Board, PB6674 (55PJ6DG)
✻U902A	23705745	Signal Board, PB6592Y
✻U903	23705746	DEF/POWER Board, PB6593X (48PJ6DG)
✻U903	23705858	DEF/POWER Board, PB6593X (55PJ6DG)
✻U904	23705749	A/V Board, PB6596X
✻U905A	23705748	CRT Drive (Red) Board, PB6595X-1 (48PJ6DG)
✻U905A	23705860	CRT Drive (Red) Board, PB6595Y-1 (55PJ6DG)
✻U905B	23705757	CRT Drive (Green) Borad, PB6595X-2 (48PJ6DG)
✻U905B	23705861	CRT Drive (Green) Borad, PB6595Y-2 (55PJ6DG)
✻U905C	23705758	CRT Drive (Blue) Board, PB6595X-3 (48PJ6DG)
✻U905C	23705862	CRT Drive (Blue) Board, PB6595Y-3 (55PJ6DG)
✻U905D	23705759	SVM Board, PB6595X-4 (48PJ6DG)
✻U905D	23705863	SVM Board, PB6595Y-4 (55PJ6DG)
✻U905E	23705760	RMT IN Board, PB6595X-5 (48PJ6DG)
✻U905E	23705864	RMT IN Board, PB6595Y-5 (55PJ6DG)
✻U905F	23705761	Front Cont Board, PB6595X-6 (48PJ6DG)
✻U905F	23705865	Front Cont Board, PB6595Y-6 (55PJ6DG)
✻U905G	23705762	Front IN Board, PB6595X-7 (48PJ6DG)
✻U905G	23705866	Front IN Board, PB6595Y-7 (55PJ6DG)
✻U905H	23705763	AC-IN-2 Board, PB6595X-8 (48PJ6DG)
✻U905H	23705867	AC-IN-2 Board, PB6595Y-8 (55PJ6DG)
✻U905I	23705764	DPC Board, PB6595X-9 (48PJ6DG)
✻U905I	23705868	DPC Board, PB6595Y-9 (55PJ6DG)
✻U906	23706175	Comb/SECAM Board, PB5661Z
✻U907	23705751	TEXT Board, PB6598X
✻U908	23705747	CONV/POW2 Board, PB6594X
✻U909	23705750	AC-IN-1 Board, PB6597X
✻U910	23705753	D-Focus Boaard, PB6600 (55PJ6DG)
✻UP01	23705885	Pro-Logic Board, PB5665X

Location No.	Part No.	Description
PICTURE TUBE		
⚠V901R	23794343	Projection Tube Ass'y (R) 48 (48PJ6DG)
⚠V901R	23794458	Projection Tube Ass'y (R) 55 (55PJ6DG)
E935	23712408	Screw, PP4x0.7x8SZN
⚠V902G	23794344	Projection Tube Ass'y (G) 48
E943	23712408	Screw, PP4x0.7x8SZN
⚠V903B	23794345	Projection Tube Ass'y (B) 48
E956	23712408	Screw, PP4x0.7x8SZN
TUNER		
H001	23321227	Tuner, EGA12LX1
ACCESSORIES		
K902	23306177	Remote Handunit, CT-9869
AT04	23305572	Battery Cover
Y101E	23562866	Owner's Manual, English, 48PJ6DG/55PJ6DG
Y101F	23562931	Owner's Manual, French, 48PJ6DG/55PJ6DG
Y101G	23562932	Owner's Manual, German, 48PJ6DG/55PJ6DG
Y101I	23562933	Owner's Manual, Italian, 48PJ6DG/55PJ6DG
Y101S	23562934	Owner's Manual, Spanish, 48PJ6DG/55PJ6DG

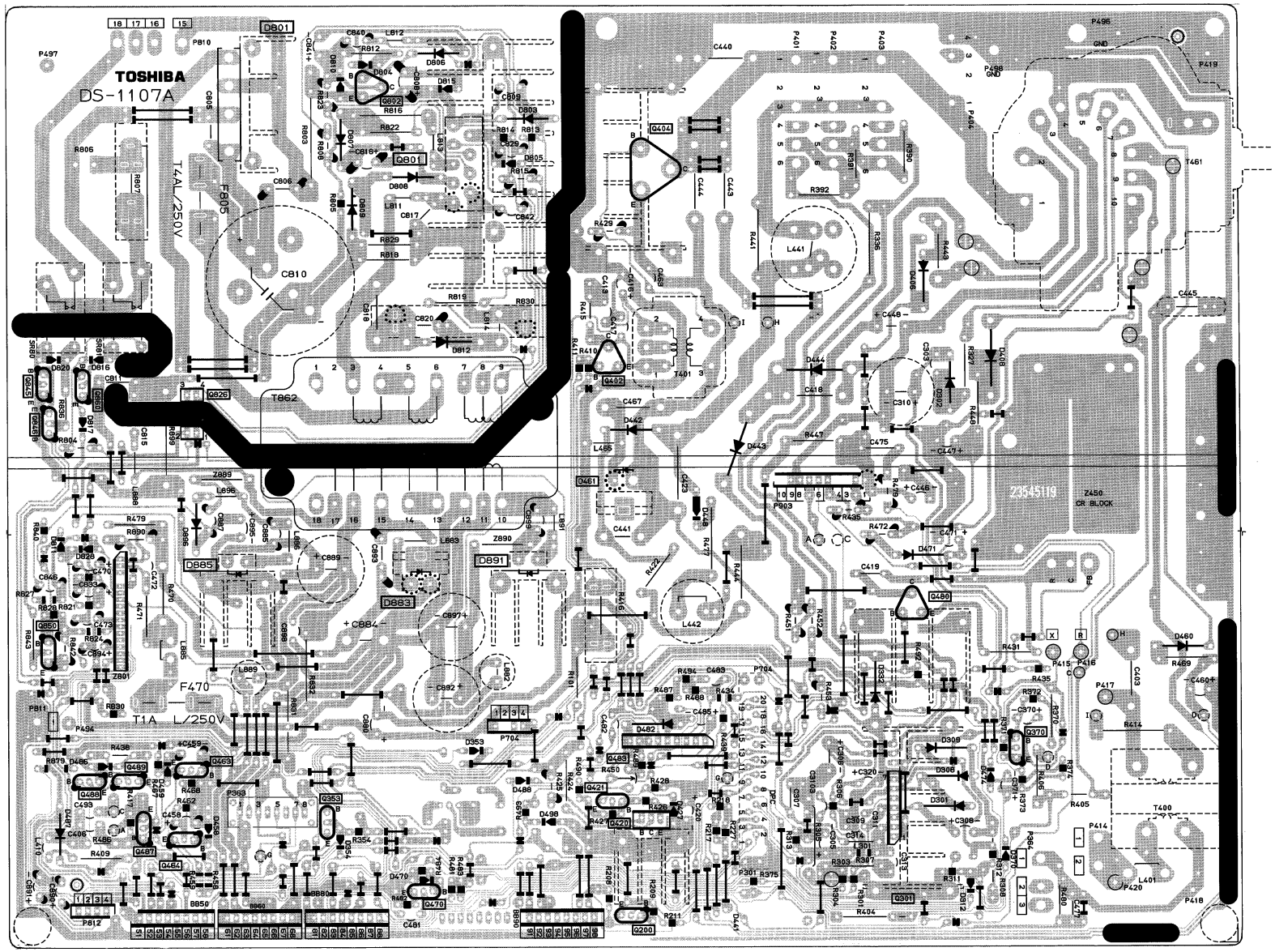
SIGNAL BOARD PB6592Y

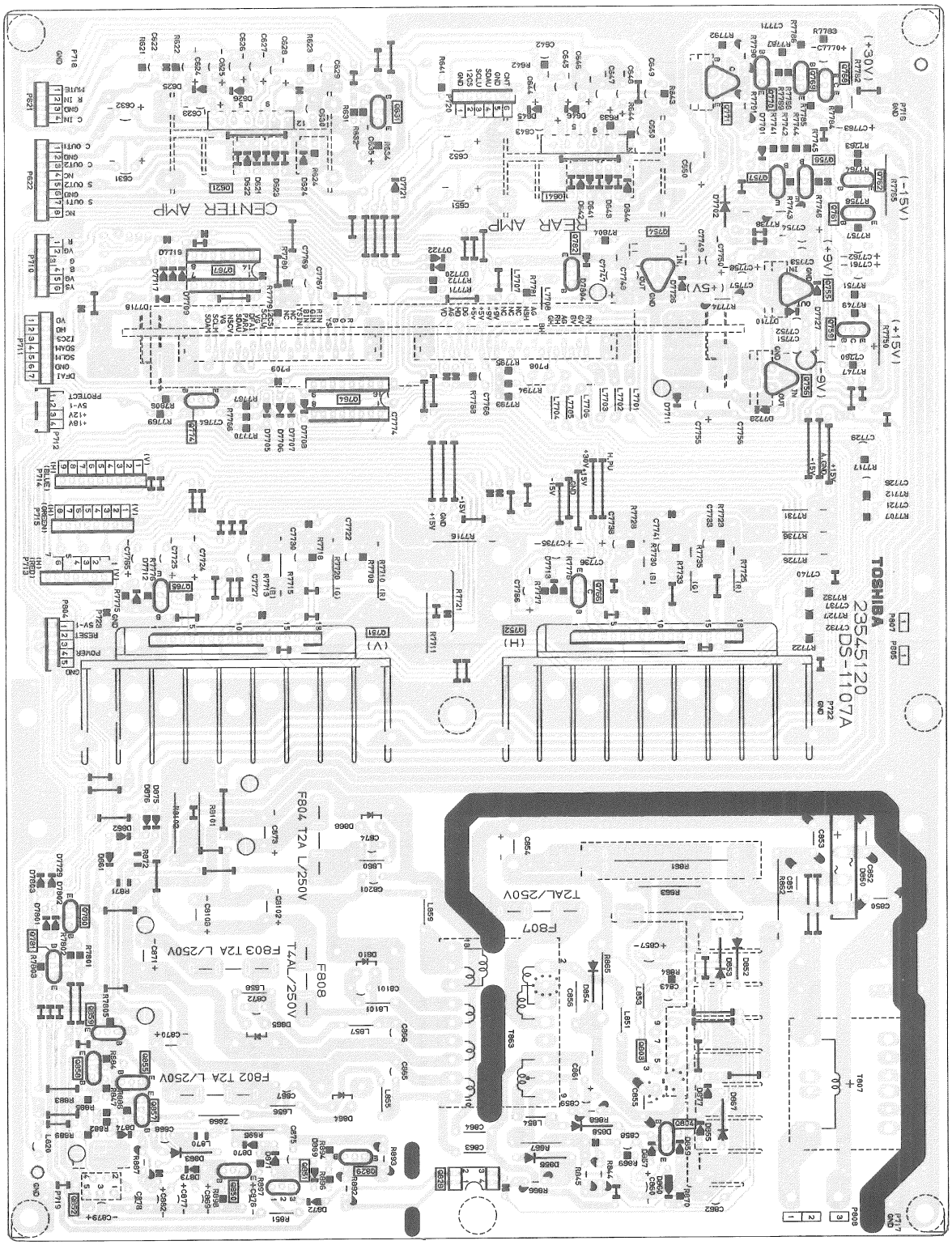
BOTTOM (FOIL) SIDE



POWER/DEF BOARD PB6593X

BOTTOM (FOIL) SIDE



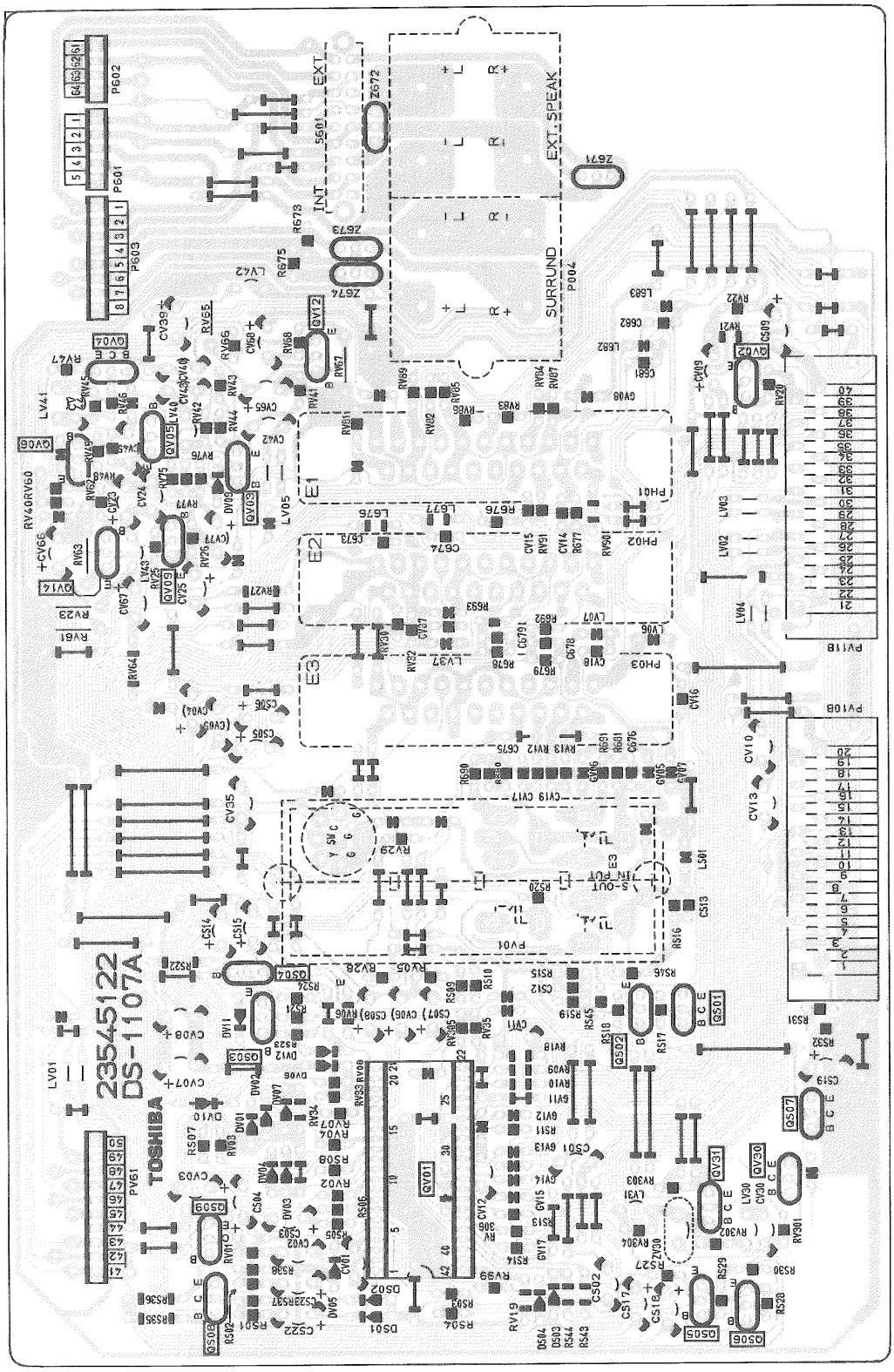


CONV.OUT/POWER2/AMP BOARD PB6594X

BOTTOM (FOIL) SIDE

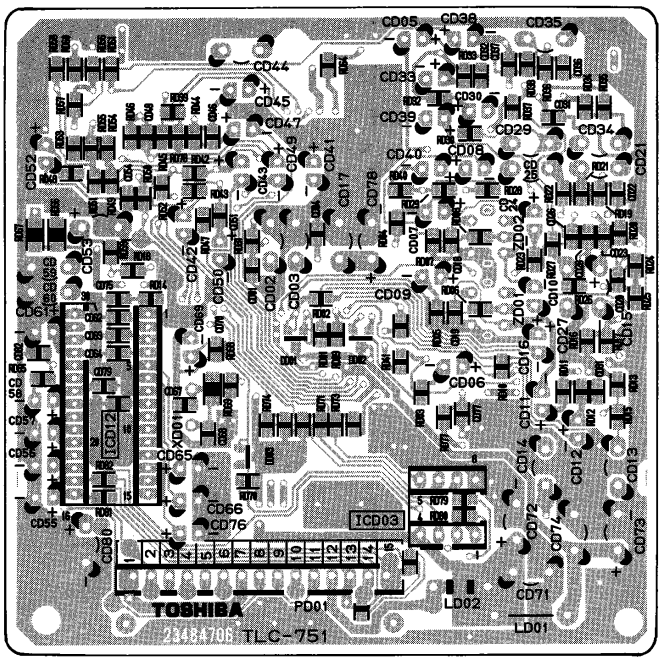
A/V BOARD PB6596X

BOTTOM (FOIL) SIDE



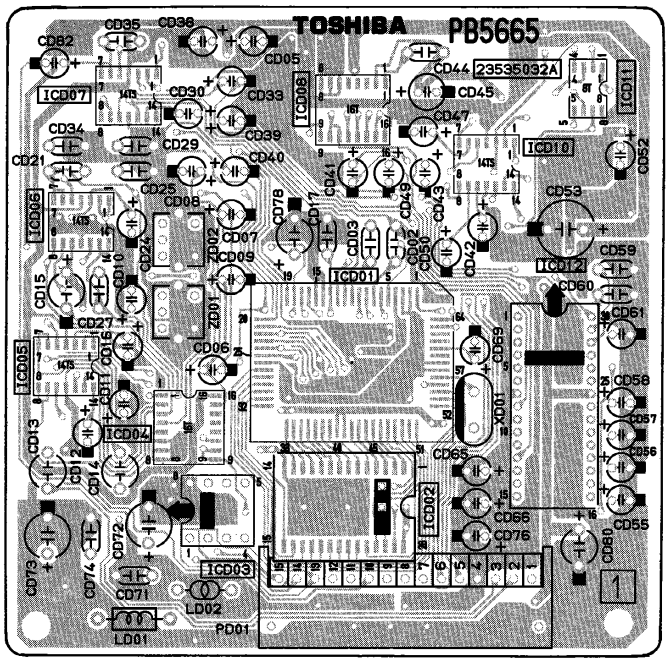
PRO-LOGIC BOARD PB5665X

BOTTOM (FOIL) SIDE



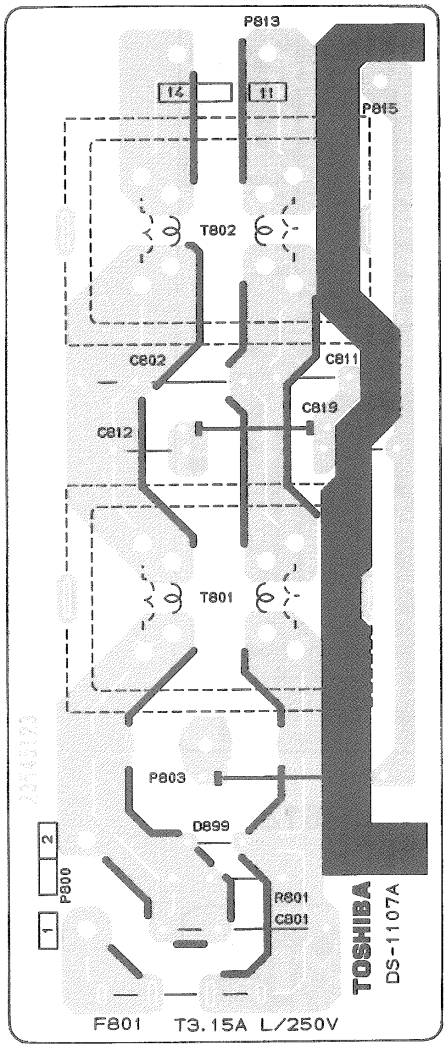
PRO-LOGIC BOARD PB5665X

TOP (PARTS) SIDE



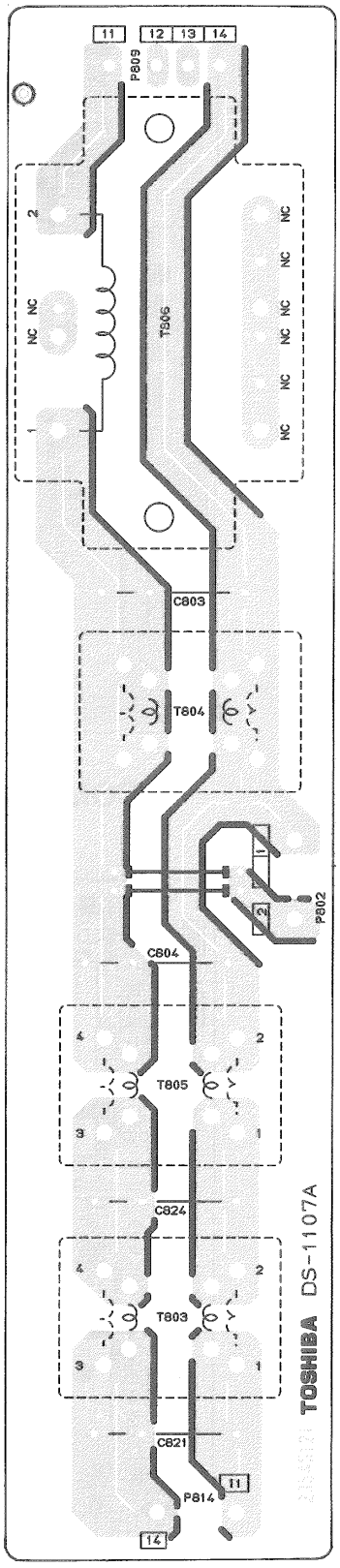
AC IN-1 BOARD PB6597X

BOTTOM (FOIL) SIDE



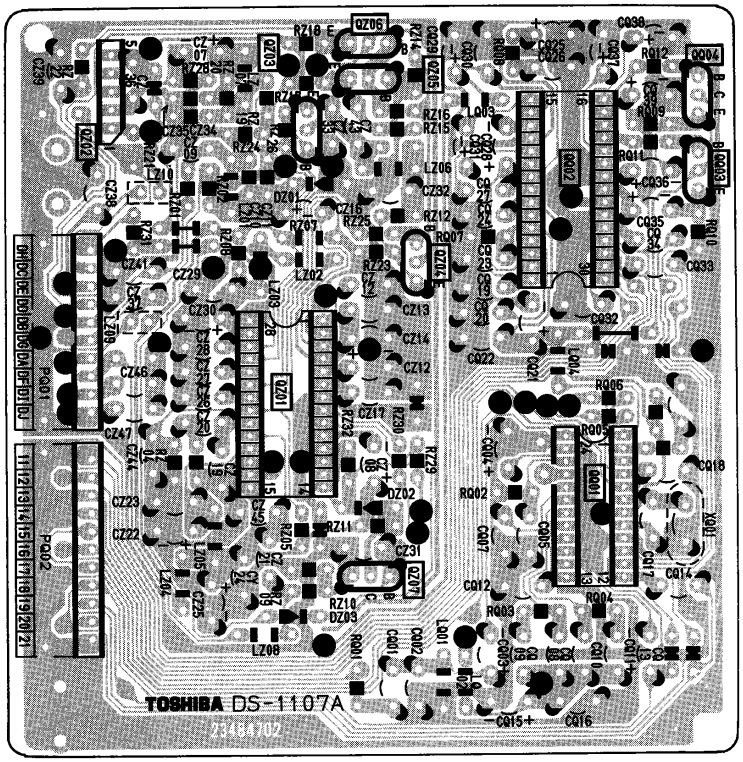
AC IN-2 BOARD PB6595X-8

BOTTOM (FOIL) SIDE



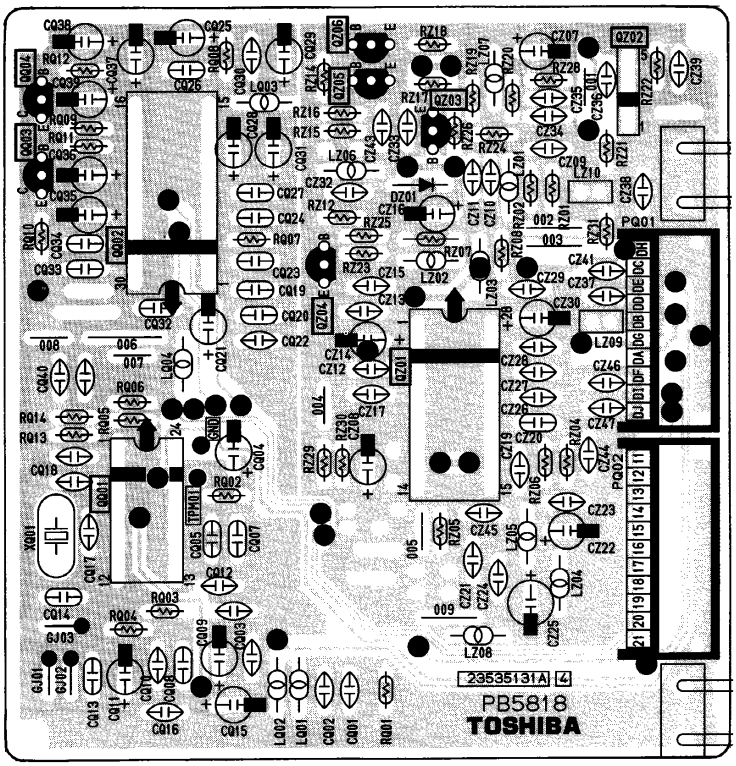
COMB/SECAM BOARD PB5661Z

BOTTOM (FOIL) SIDE



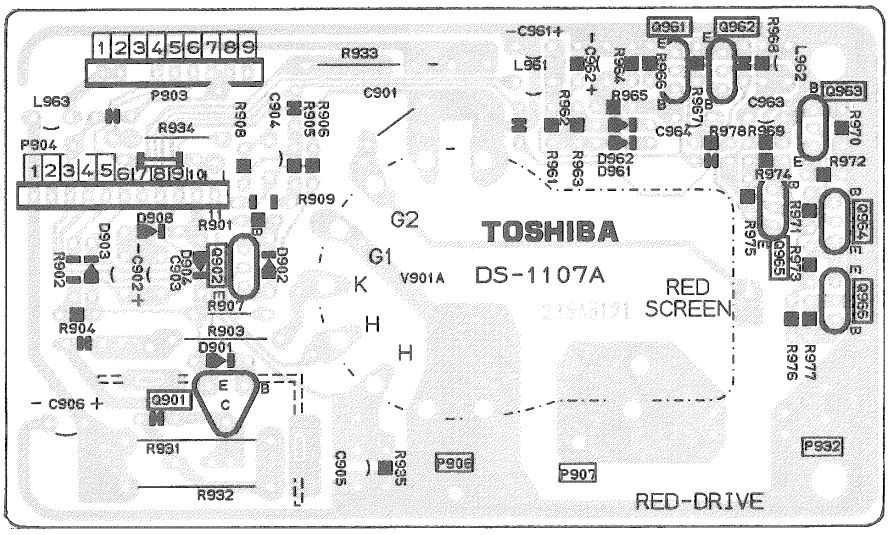
COMB/SECAM BOARD PB5661Z

TOP (PARTS) SIDE



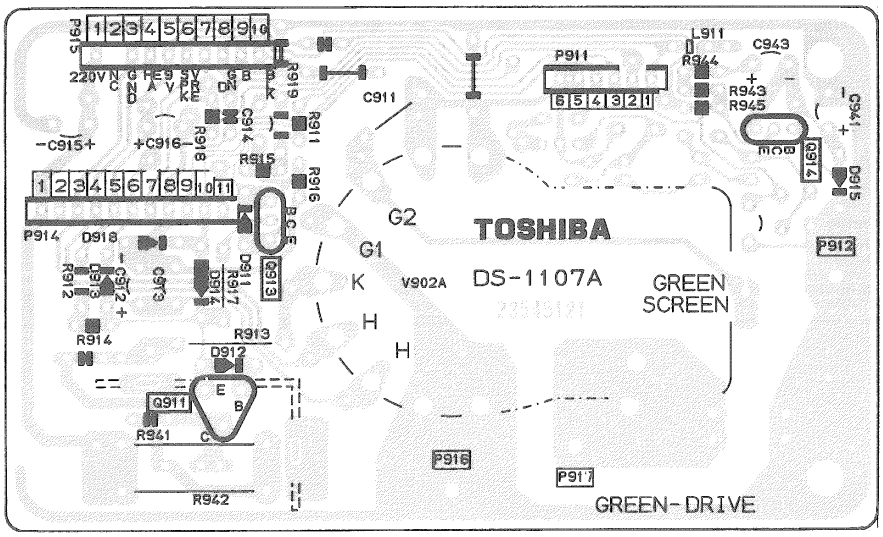
RED DRIVE BOARD PB6595X-1

BOTTOM (FOIL) SIDE



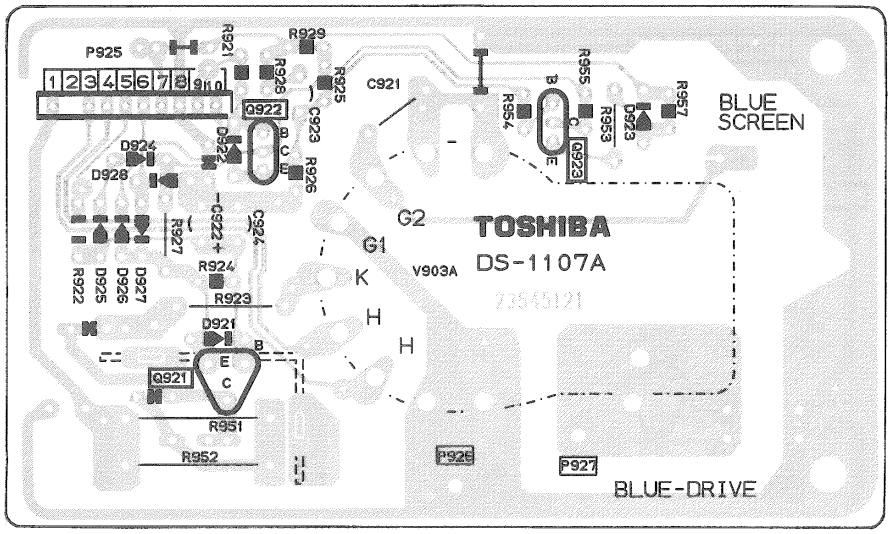
GREEN DRIVE BOARD PB6595X-2

BOTTOM (FOIL) SIDE



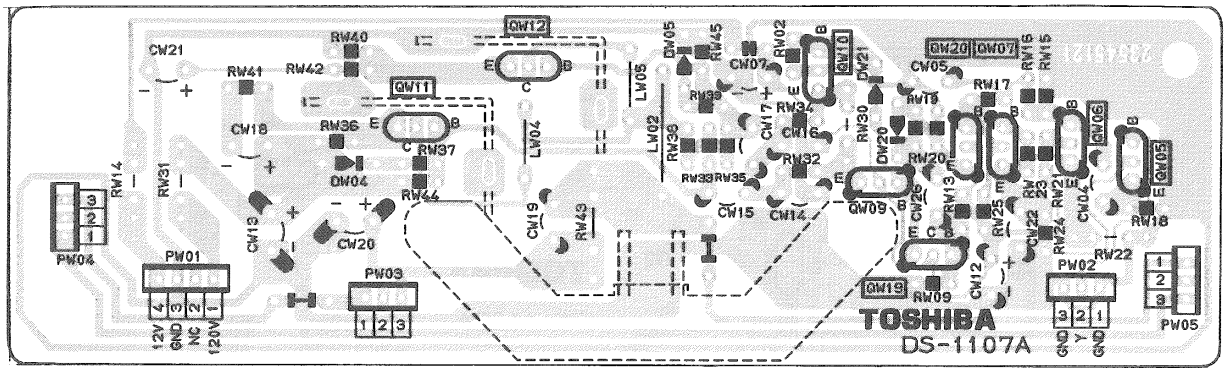
BLUE DRIVE BOARD PB6595X-3

BOTTOM (FOIL) SIDE



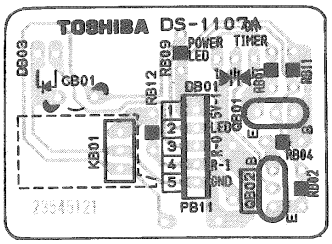
SVM BOARD PB6595X-4

BOTTOM (FOIL) SIDE



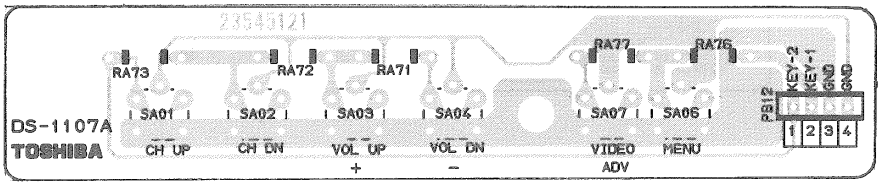
RMT IN BOARD PB6595X-5

BOTTOM (FOIL) SIDE



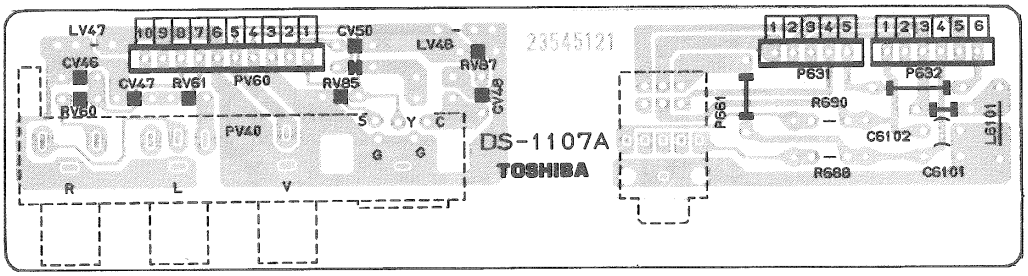
FRONT CONT BOARD PB6595X-6

BOTTOM (FOIL) SIDE



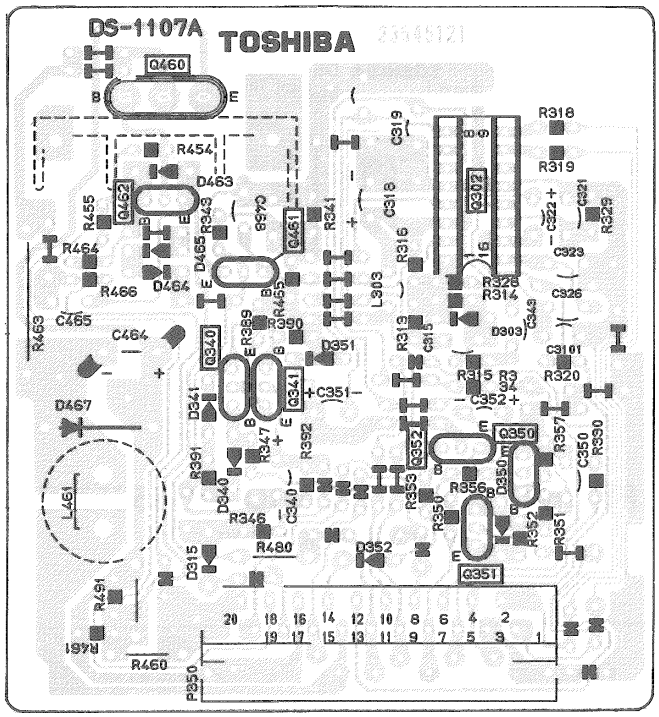
FRONT IN BOARD PB6595X-7

BOTTOM (FOIL) SIDE



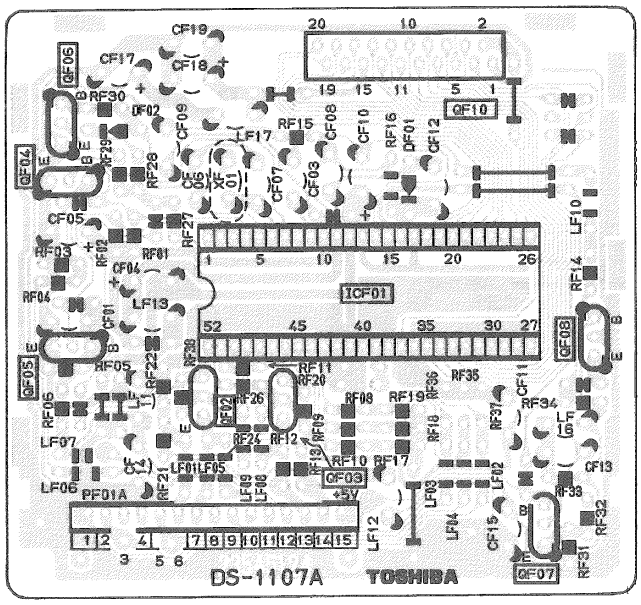
DPC BOARD PB6595X-9

BOTTOM (FOIL) SIDE



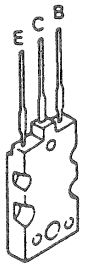
TEXT BOARD PB6598X

BOTTOM (FOIL) SIDE

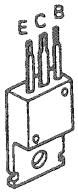


TERMINAL VIEW OF TRANSISTORS

① 2SD1427



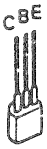
② 28B595
2SB834
2SD1052A
2SC1569
2SC2383
2SC2553
2SD525
2SD880



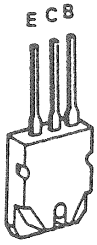
③ 2SA949
2SA1020
2SC752GTM
2SC2230A
2SC2229
2SC2482
2SC2655

④ 2SA562TM
2SA1015
2SA817
2SC1815
2SC1959
2SC2878
2SC388ATM

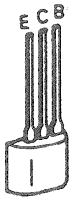
⑤ 2SA1026



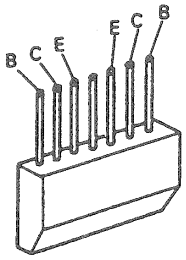
⑥ 2SD1092
2SD1294



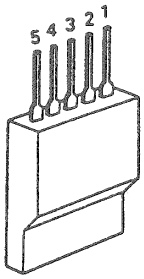
⑦ RN1001
RN1003
RN1004
RN2005
RN1201
RN1202
RN1203
RN1204



⑧ 2SA1349
2SC3381



⑨ D1005T



SPECIFICATIONS

Input Power Rating:	240 Watts, AC 220 ~ 240 Volts, 50 Hz
Aerial Input Impedance:	75 ohm unbalanced type for VHF, UHF and CATV

Television System and Channels:

System	Channel	VHF	UHF	CATV
PAL B/G	CCIR	E2 ~ E12	E21 ~ E69	S1 ~ S41
PAL I	UK	–	UK21 ~ UK69	–
SECAM D/K	OIRT	R1 ~ R12	R21 ~ R69	
SECAM L	C.C.I.R	F1 ~ F10	F21 ~ F69	B ~ Q

Intermediate Frequencies:	Picture Intermediate Carrier Frequency : 38.9 MHz Sound Intermediate Carrier Frequency : 33.4 MHz B/G 32.9 MHz I 32.4 MHz D/K/L
Colour System:	PAL / SECAM
Screen Size:	Type 48 (121 cm)/Type 55 (139 cm)
Sound Output:	14W + 14W MAIN(10W + 10W CENTER), 10W + 10W SURROUND
Speakers:	160 mm round, 2 pcs
Aux. Terminals:	Headphone jack, S-VIDEO socket, VIDEO/AUDIO input socket, MONITOR output socket

Dimensions:

	(48PJ6DG)	(55PJ6DG)
Height	1248 mm	1354 mm
Width	1046 mm	1188mm
Depth	499 mm	570 mm

Mass:	91.5 kg (48PJ6DG) 108 kg (55PJ6DG)
Features:	Projection TV, Picture in Picture, NICAM and German stereo, ON/OFF-timer, No signal off, BLUE BACK SCREEN, TV Games, MULTI Language OSD, TELETEXT

Specifications are subject to change without notice.

D30 9623

SCHEMATIC DIAGRAM MODEL : 48PJ6DG / 55PJ6DG (1/5)

CAUTION: The international hazard symbols "⚠" in the schematic diagram and the parts list designate components which have special characteristics important for safety and should be replaced only with types identical to those in the original circuit or specified in the parts list. The mounting position of replacements is to be identical with originals. Before replacing any of these components, read carefully the PRODUCT SAFETY NOTICE on page 2. Do not degrade the safety of the receiver through improper servicing.

OBSERVATION OF VOLTAGES AND WAVEFORMS

1 Voltages read with VTVM from point shown to chassis ground, line voltage 220 volts, colour bar signal. Voltages reading may vary ±20%.
2 All waveforms are taken using a wide band oscilloscope and a low capacity probe.
3 Waveforms are taken using a standard colour bar signal.
4 Make sure that CONTRAST and COLOUR controls are in mid position and BRIGHTNESS control is almost in maximum position. Set other controls for best picture.

NOTES:

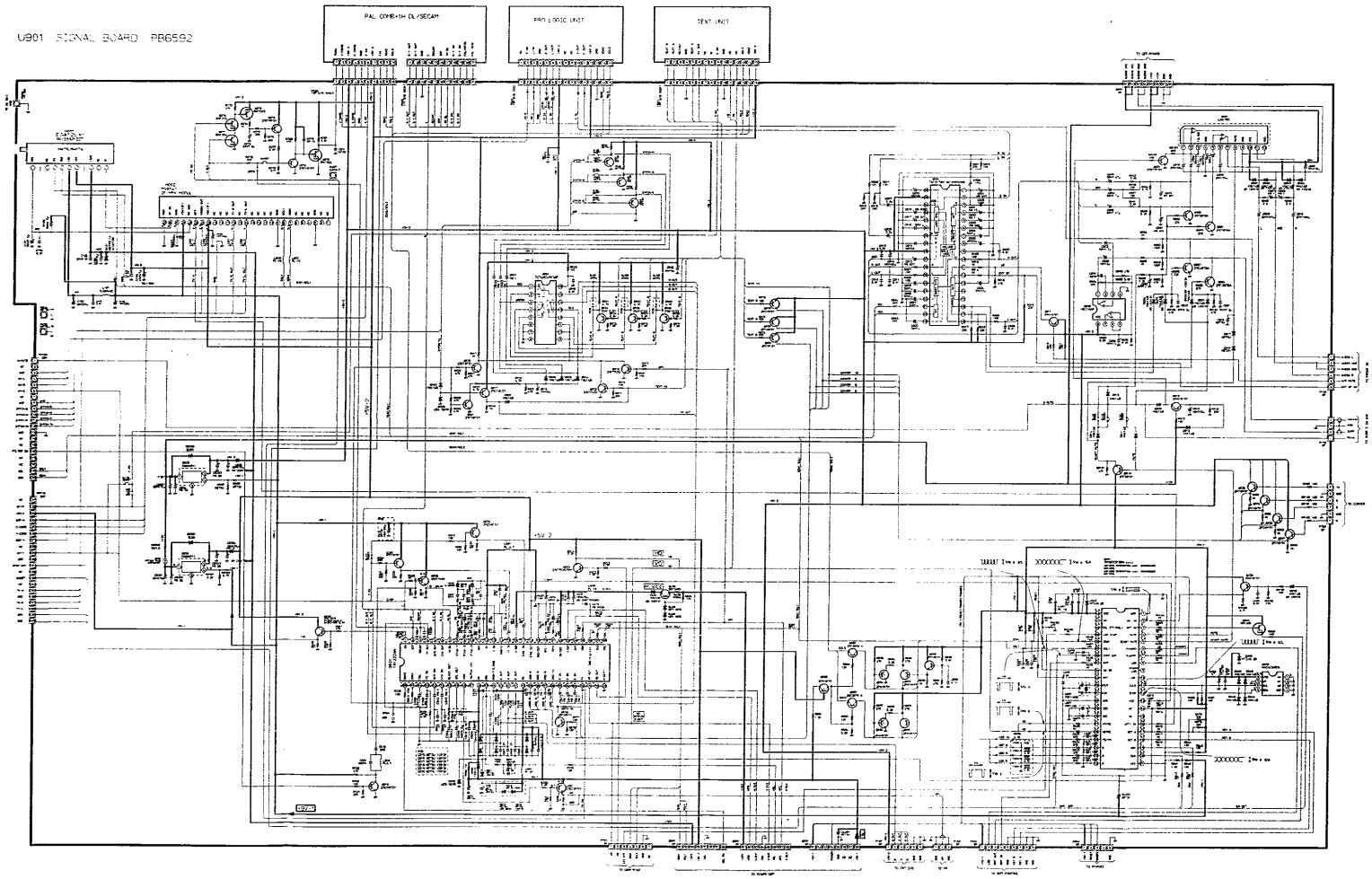
1 D.C. resistance value of a principal transformer is shown in this schematic diagram. These are measured for separated from the circuit.
2 The circuits are subject to change without notice.
3 ⏚ : Solder Links.

EXPRESSION

VALUE OF RESISTOR, CAPACITOR and INDUCTOR

1 Resistance is shown in ohm, k=1,000, M=1,000,000
2 Unless other wise noted in schematic, all capacitor values less than 1 are expressed in μF and the values more than 1 in pF.
3 Unless otherwise noted in schematic, all inductor values more than 1 are expressed in μH, and the values less than 1 in H.

U901 SIGNAL BOARD PB6592

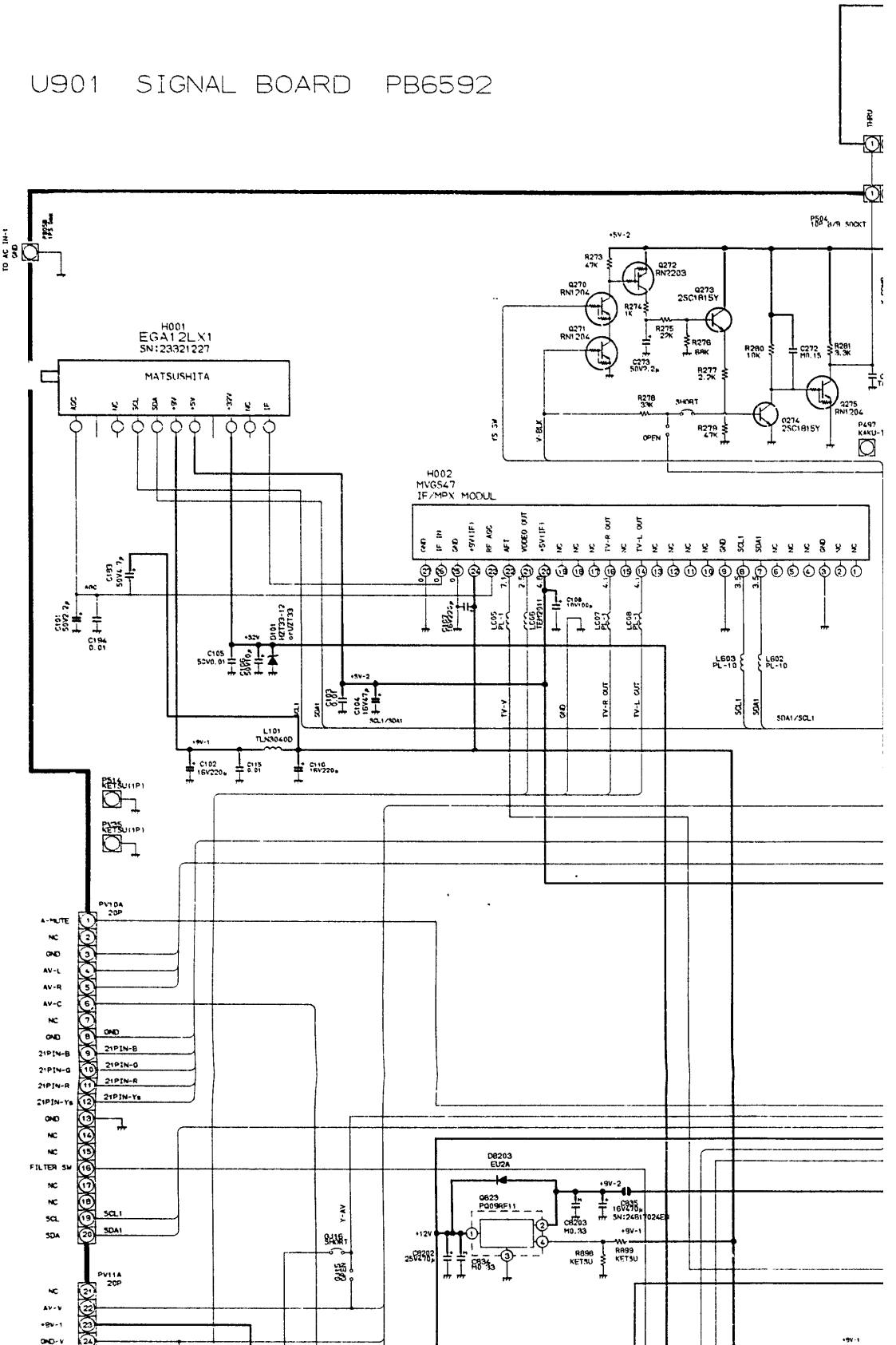


D30 9623

SCHEMATIC DIAGRAM MODEL : 48PJ6DG / 55PJ6DG (1/5)

CAUTION: The international hazard symbols "⚠" in the schematic diagram and the parts list designate components which have special characteristics important for safety and should be replaced only with types identical to those in the original circuit or specified in the parts list. The mounting position of replacements is to be identical with originals. Before replacing any of these components, read carefully the PRODUCT SAFETY NOTICE on page 2. Do not degrade the safety of the receiver through improper servicing.

U901 SIGNAL BOARD PB6592



(1/5)

omponents
al to those
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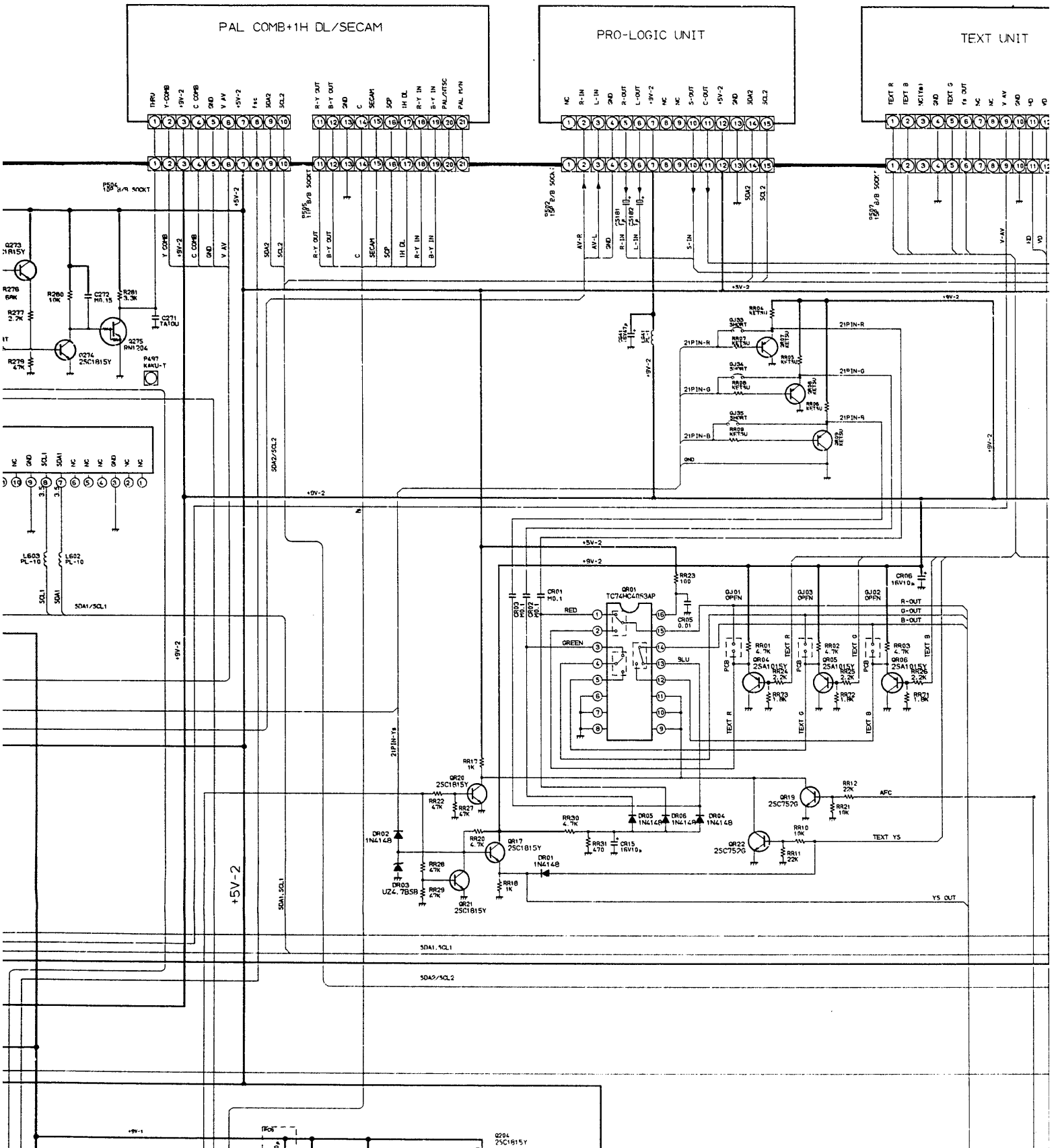
page 2. Do

OBSERVATION OF VOLTAGES AND WAVEFORMS

1. Voltages read with VTVM from point shown to chassis ground, line voltage 220 volts, colour bar signal. Voltages reading may vary ±20%.
2. All waveforms are taken using a wide band oscilloscope and a low capacity probe.
3. Waveforms are taken using a standard colour bar signal.
4. Make sure that CONTRAST and COLOUR controls are in mid position and BRIGHTNESS control is almost in maximum position. Set other controls for best picture.

NOTES:

1. D.C. resistance value o
gram. These are measu
2. The circuits are subject
3. ⬬ : Solder links.



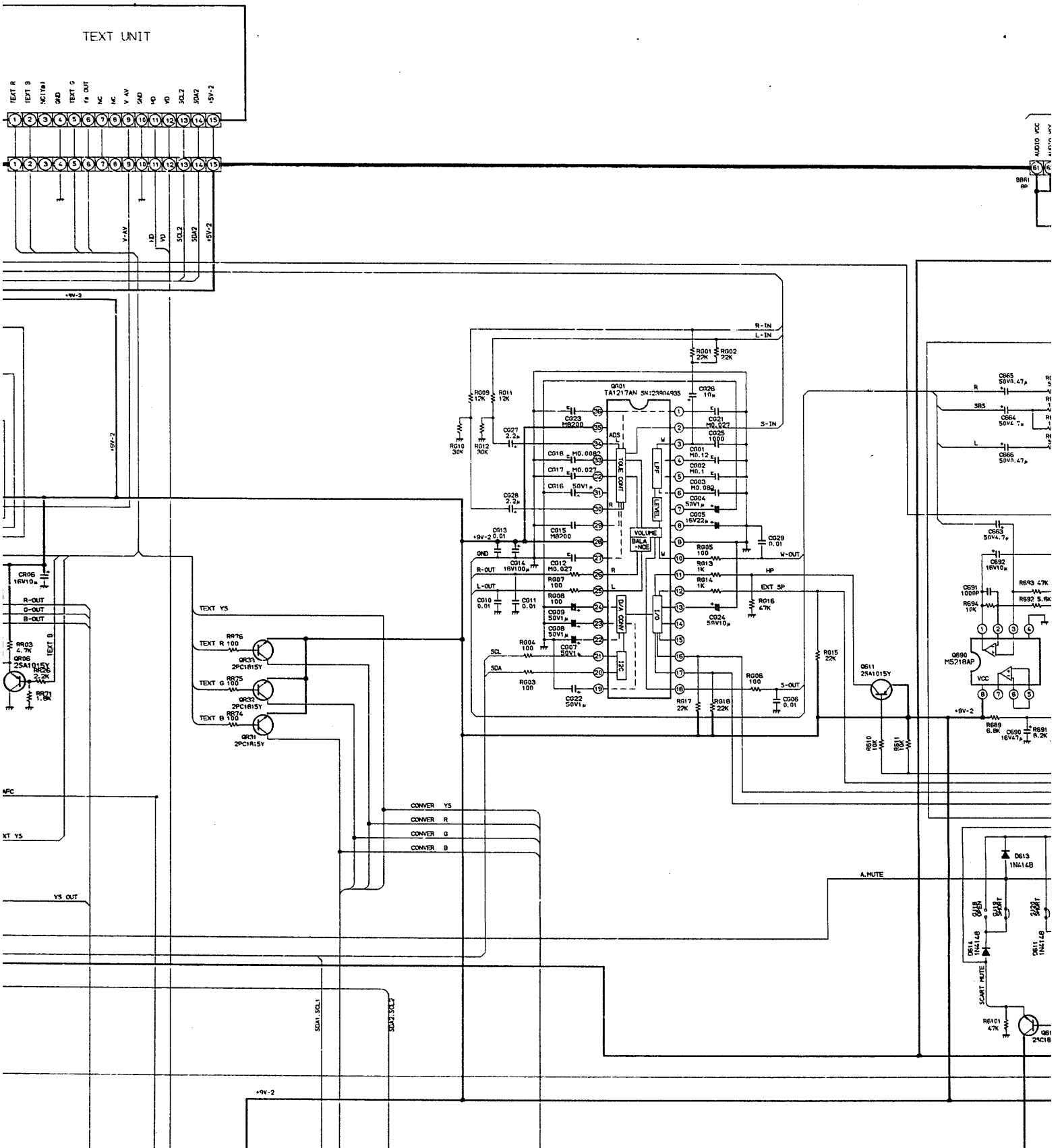
EXPRESSION

OTES:

. D.C. resistance value of a principal transformer is shown in this schematic diagram. These are measured for separated from the circuit.
. The circuits are subject to change without notice.
. ⊖ : Solder links.

VALUE OF RESISTOR, CAPACITOR and IND

1. Resistance is shown in ohm, k=1,000, M=1,000,
2. Unless other wise noted in schematic, all capac sed in μF and the values more than 1 in pF.
3. Unless otherwise noted in schematic, all induct sed in μH, and the values less than 1 in H.

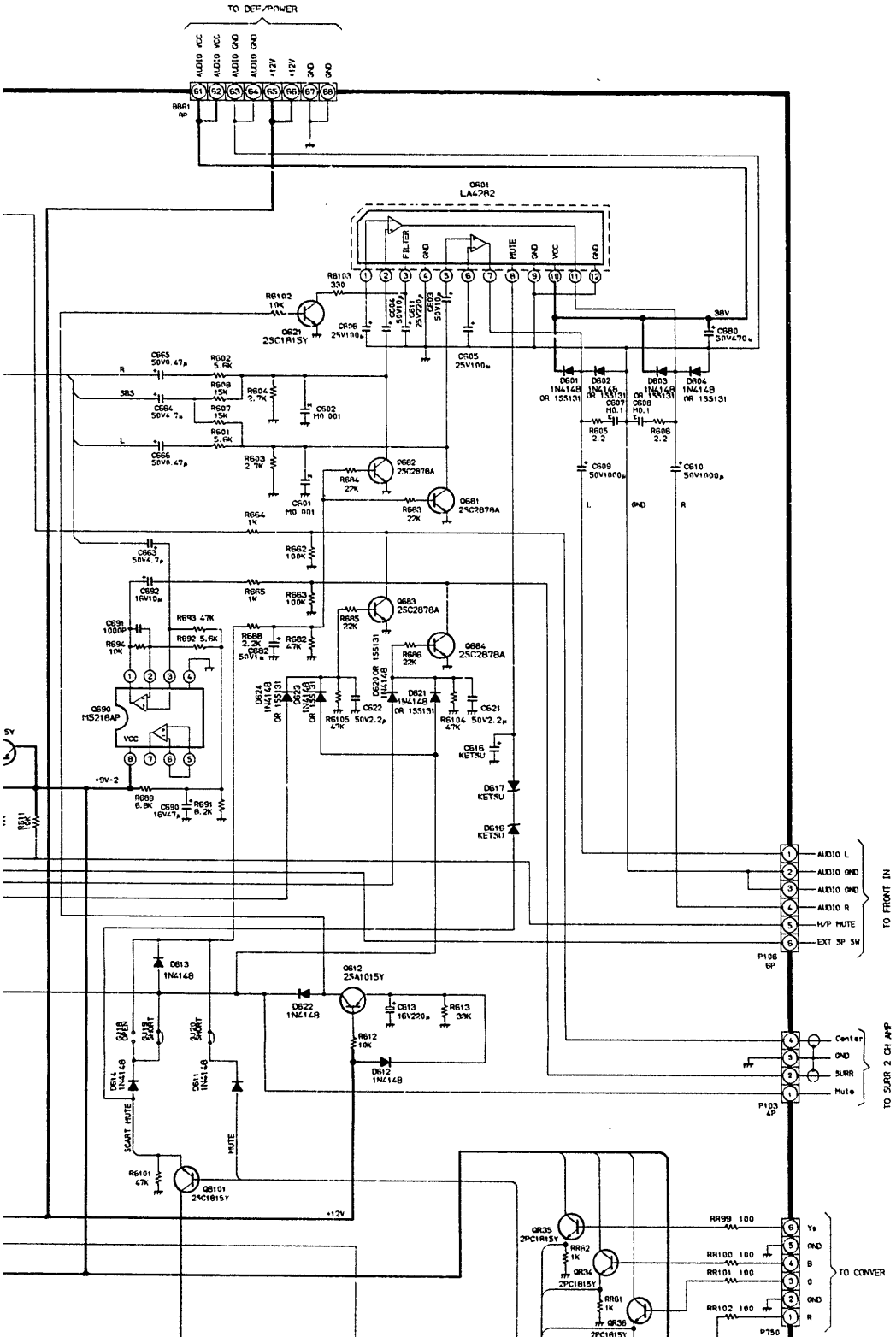


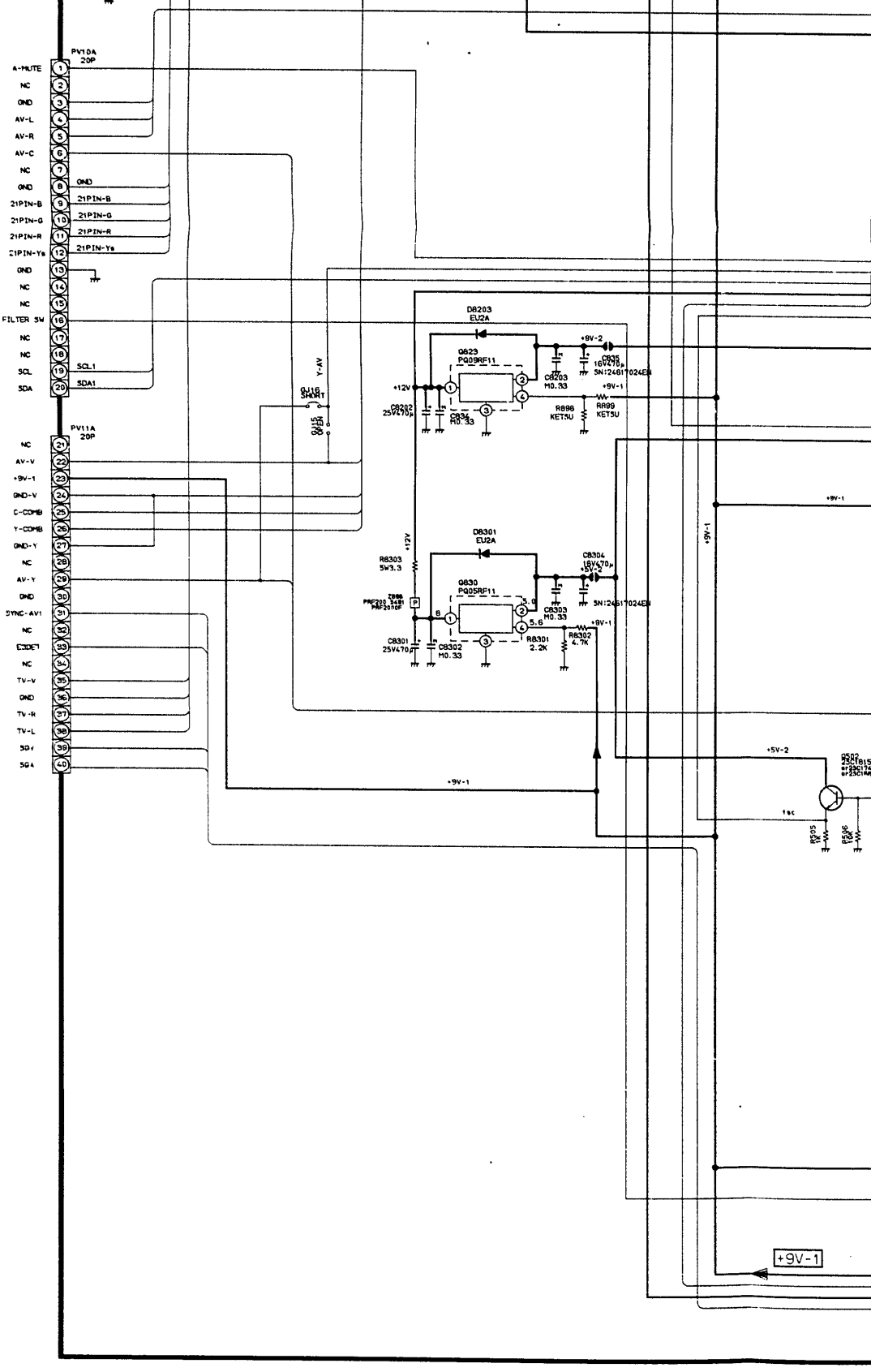
, CAPACITOR and INDUCTOR

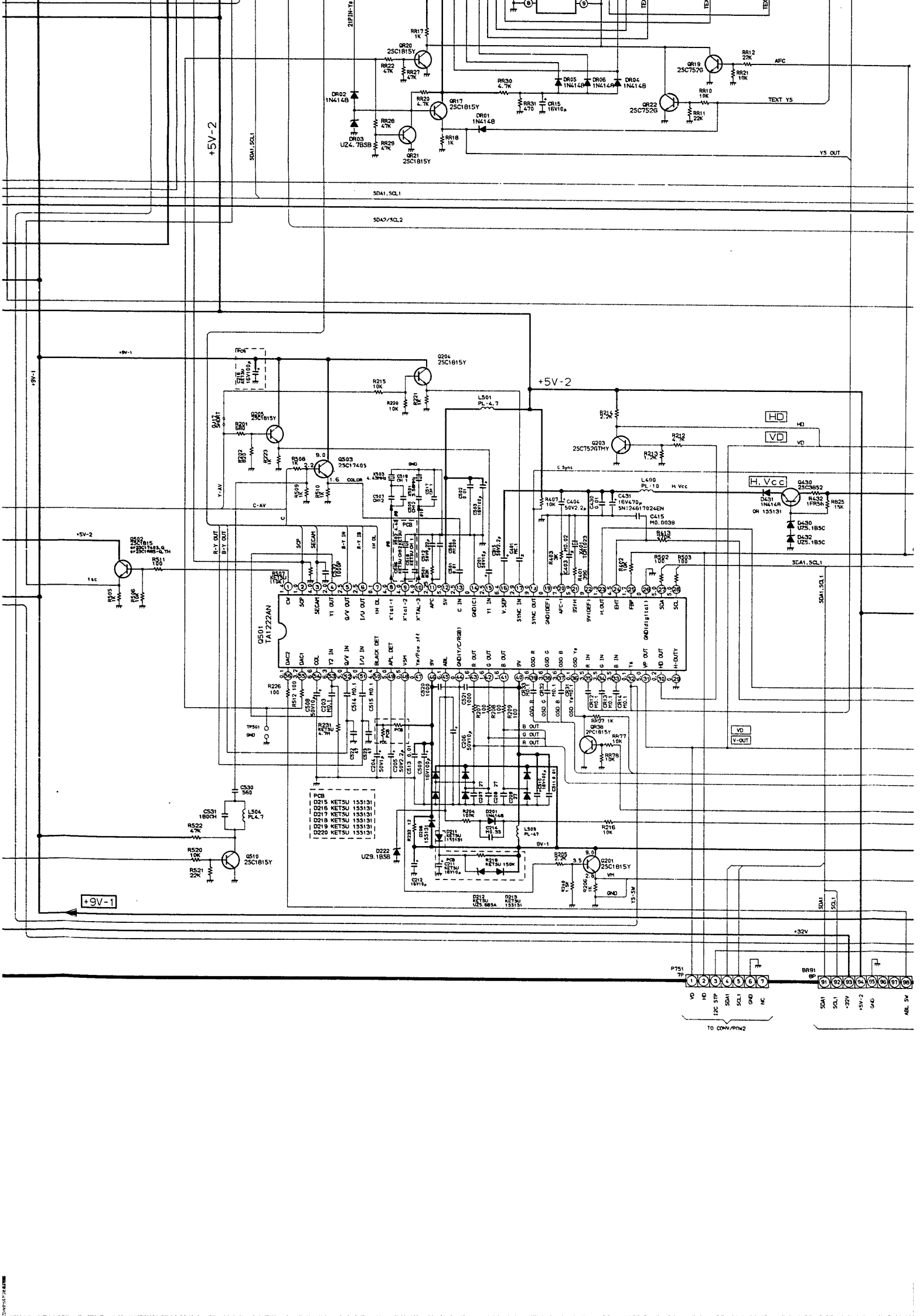
ohm, k=1,000, M=1,000,000

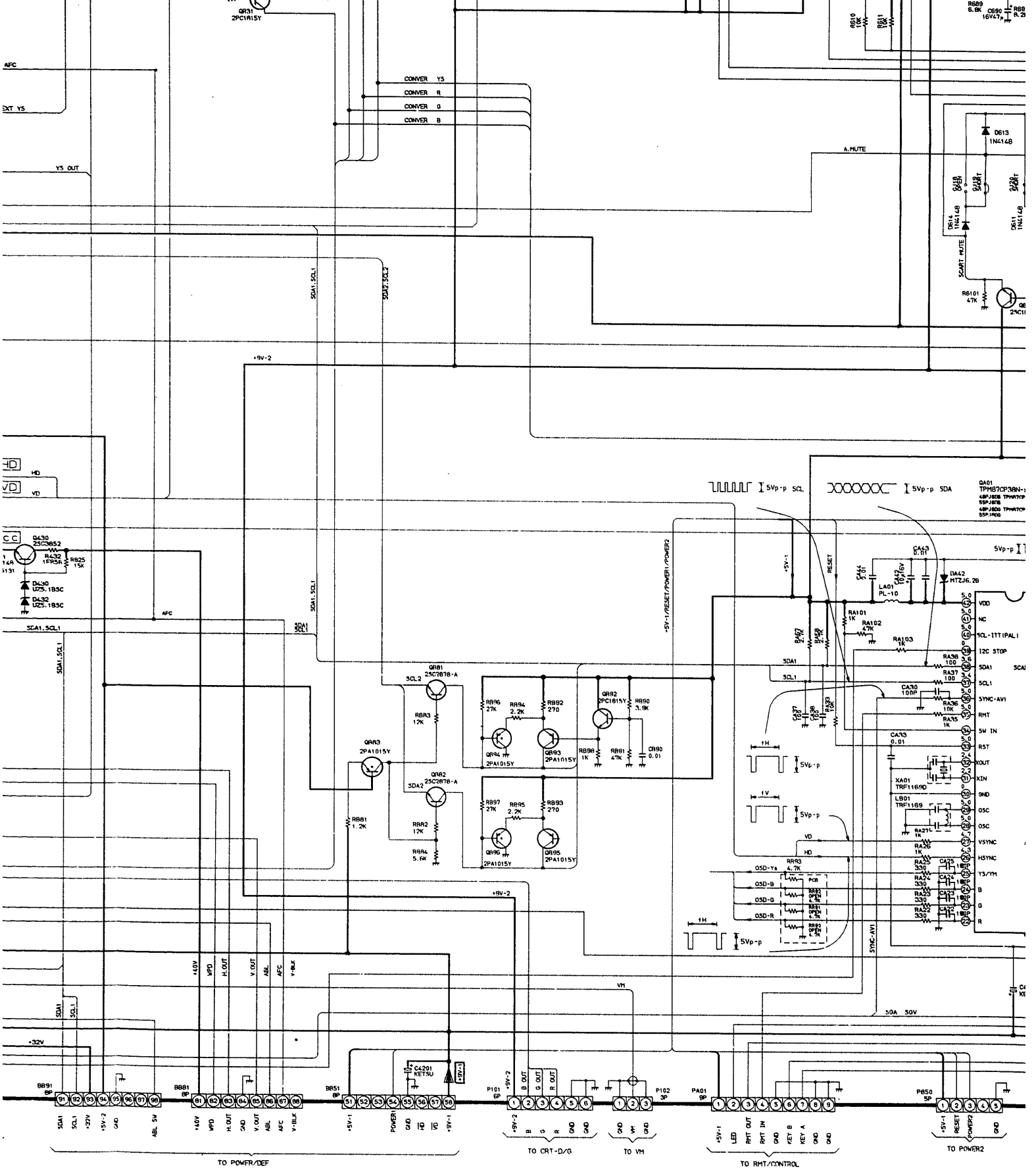
:d in schematic, all capacitor values less than 1 are expres-
:s more than 1 in pF.

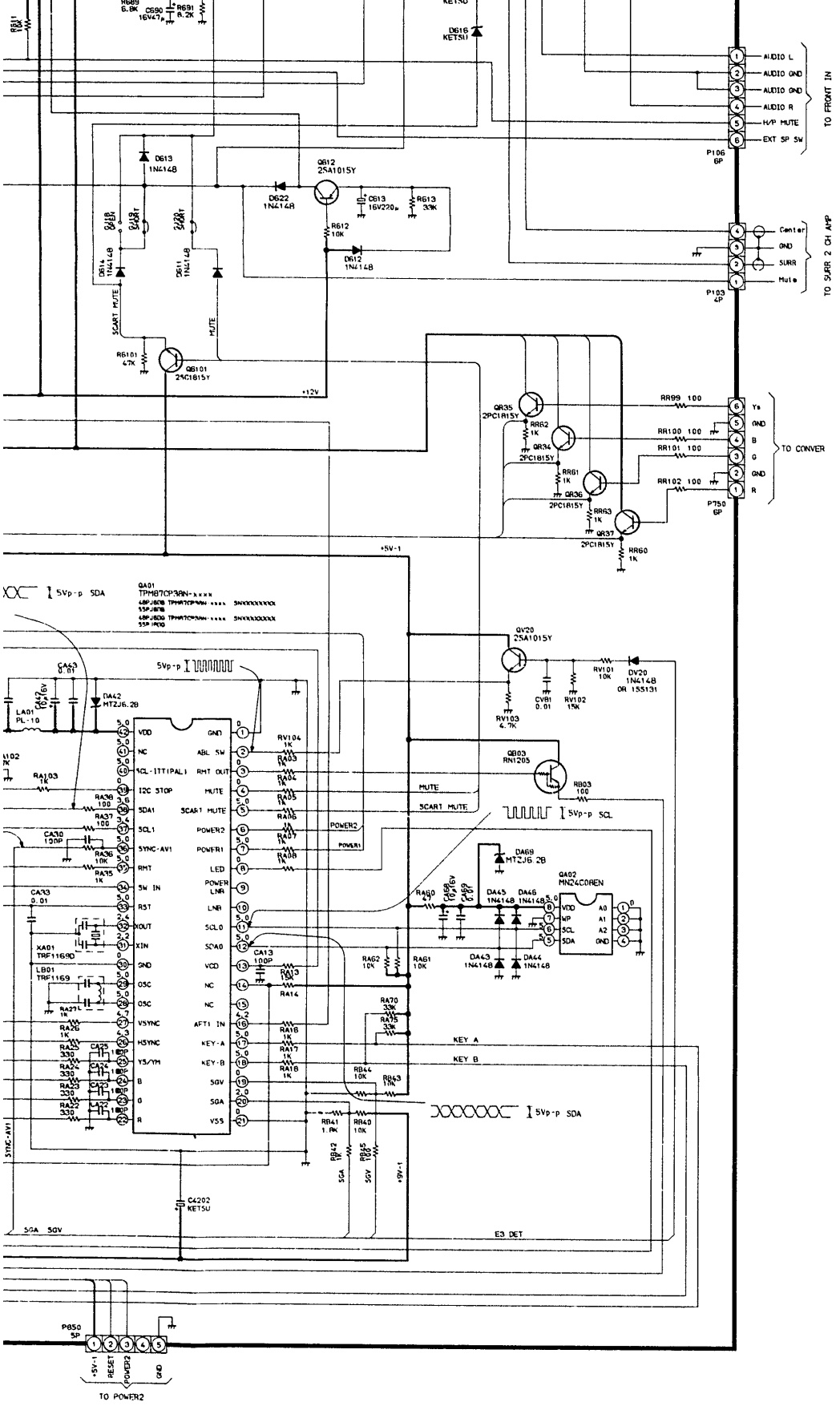
d in schematic, all inductor values more than 1 are expres-
es less than 1 in H.




PV10A
20P
A-MUTE
NC
GND
AV-L
AV-R
AV-C
NC
GND
21PIN-B
21PIN-G
21PIN-R
21PIN-Ys
GND
NC
NC
FILTER SW
NC
NC
SCL
SDA
SCL1
SDA1
PV11A
20P
NC
AV-V
+9V-1
GND-V
C-COMB
Y-COMB
GND-Y
NC
AV-Y
GND
SYNC-AV1
NC
E3DET
NC
TV-V
GND
TV-R
TV-L
5Dv
5GA
D8203
EU2A
Q829
PQ09RF11
C8203
M0.33
C8202
25V470μ
C834
M0.33
R898
KET5U
R899
KET5U
+12V
+9V-2
+9V-1
Y-AV
D8301
EU2A
R8303
5W3.3
Q830
PQ05RF11
C8304
C8303
M0.33
C8301
25V470μ
C8302
M0.33
R8301
2.2K
R8302
4.7K
+5V-2
+9V-1

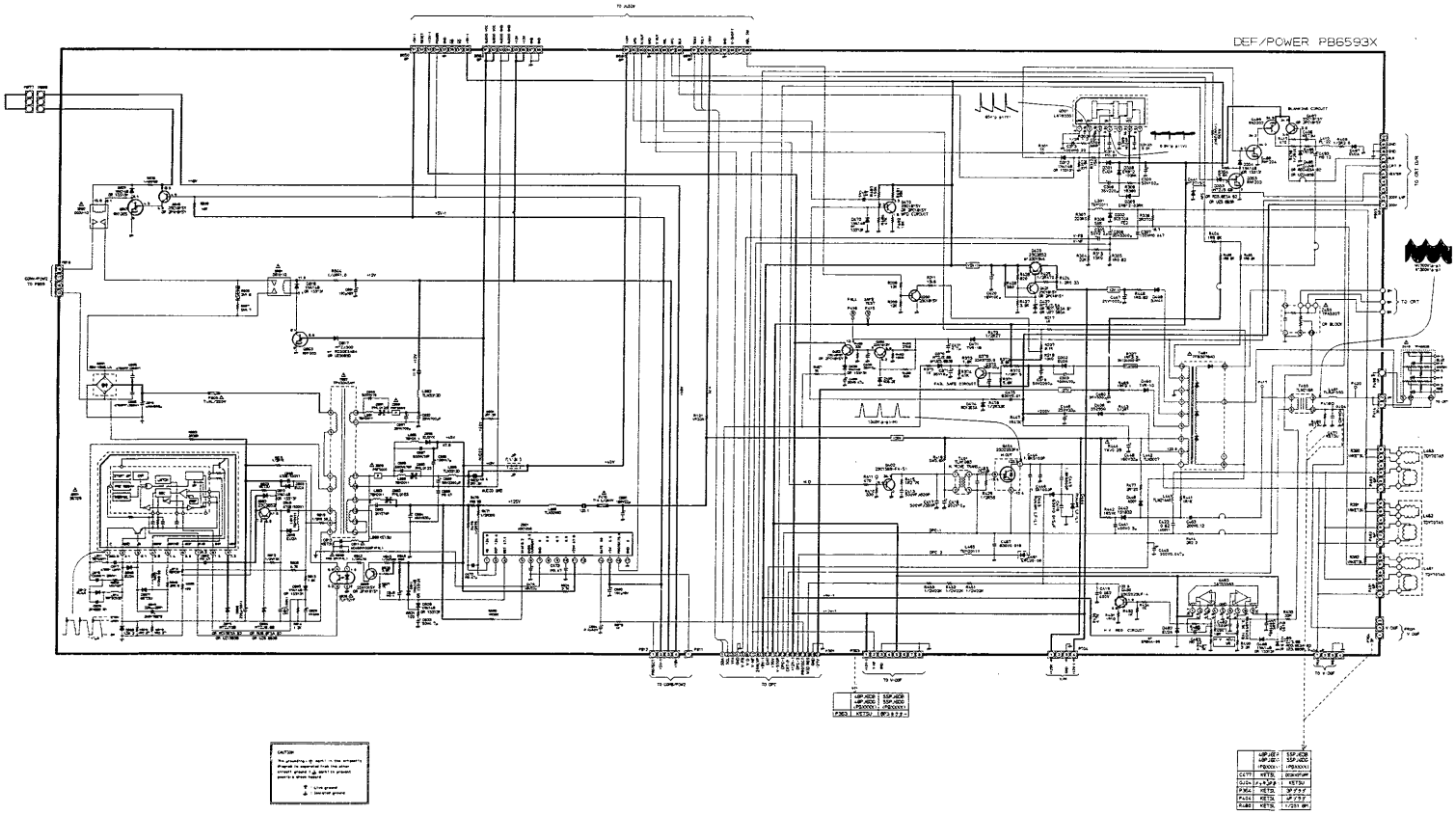

+5V-2
+9V-1
5DA1.SCL1
5DA2/SCL2
Q501
TA1222AN
Q204
2SC1815Y
Q205
2SC1815Y
Q503
2SC1740S
Q510
2SC1815Y
Q201
2SC1815Y
Q203
2SC752GTHY
Q430
2SC3852
Q20
2SC1815Y
Q17
2SC1815Y
Q21
2SC1815Y
Q19
2SC757G
Q22
2SC752G
Q36
2PC1815Y
L501
PL-4.7
L400
PL-10
L504
PL4.7
L509
PL-47
HD
VD
V-OUT
H.Vcc
AFC
TEXT YS
YS OUT
P751
7P
BR91
6P
TO CONV/POW2


AFC
EXT YS
YS OUT
CONVER Y5
CONVER R
CONVER G
CONVER B
A.MUTE
SCART MUTE
SDA1.SCL1
SDA2.SCL2
+9V-2
HD
VD
5Vp-p SCL
5Vp-p SDA
+5V-1
RESET
+5V-1/RESET/POWER1/POWER2
SCL2
SDA2
SDA1
SCL1
1H
1V
5Vp-p
VD
HD
OSD-Ya
OSD-B
OSD-G
OSD-R
PCB
SYNC-AV1
VM
+40V
VPD
H.OUT
V.OUT
ABL
AFC
V-BLK
+32V
+5V-2
GND
ABL SW
POWER1
POWER2
B OUT
G OUT
R OUT
LED
RMT OUT
RMT IN
KEY B
KEY A
TO POWER/DEF
TO CRT-D/G
TO VM
TO RMT/CONTROL
TO POWER2


AUDIO L
AUDIO GND
AUDIO GND
AUDIO R
H/P MUTE
EXT SP SW
P106
6P
TO FRONT IN
Center
GND
SURR
Mute
P103
4P
TO SURR 2 CH AMP
Ys
GND
B
G
GND
R
P750
6P
TO CONVER
+12V
+5V-1
MUTE
SCART MUTE
POWER2
POWER1
5Vp-p SDA
5Vp-p SCL
KEY A
KEY B
SGA SGV
E3 DET
P850
5P
+5V-1
RESET
POWER2
GND
TO POWER2

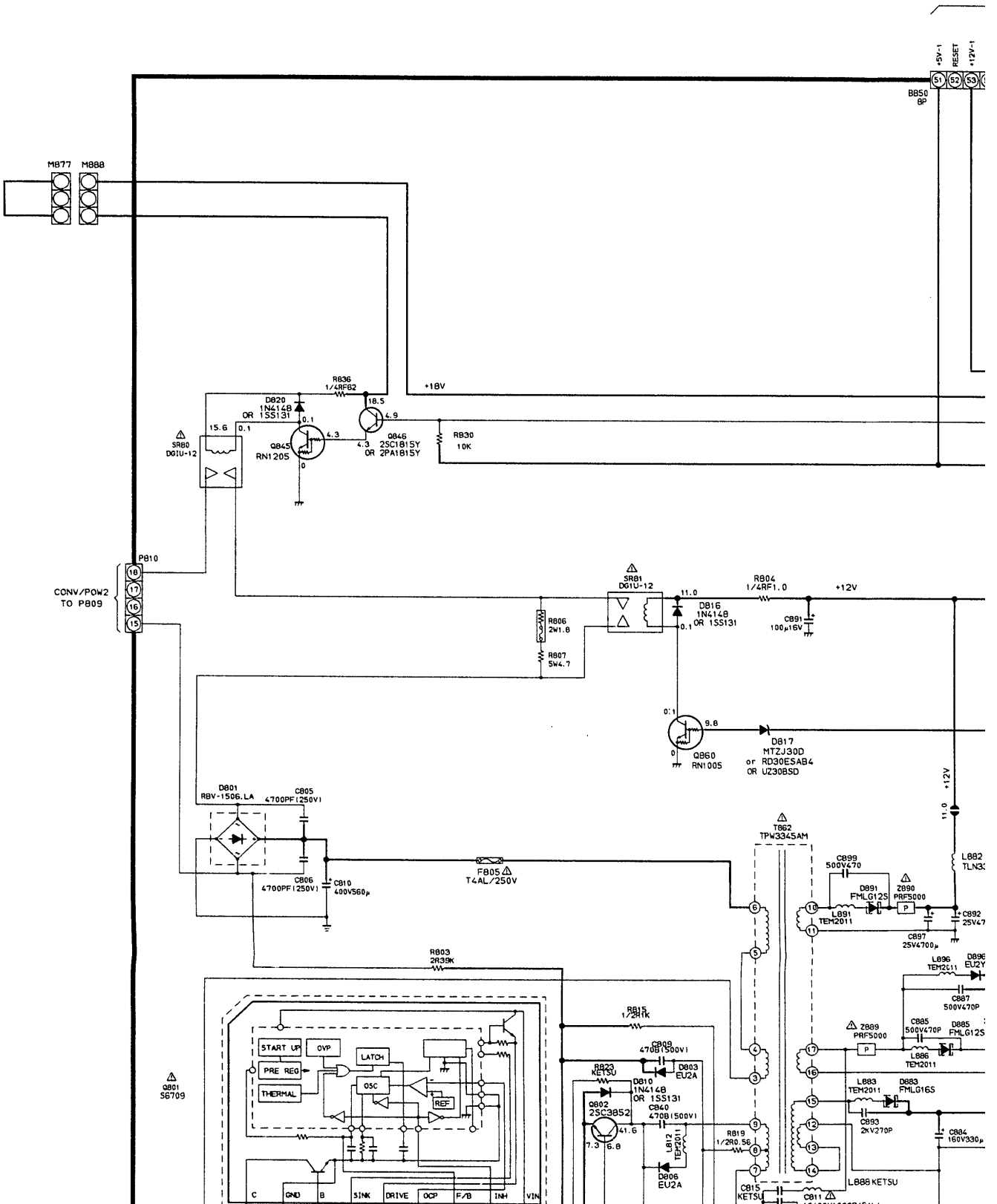
030 9623

SCHEMATIC DIAGRAM MODEL : 48PJ6DG / 55PJ6DG (2/5)

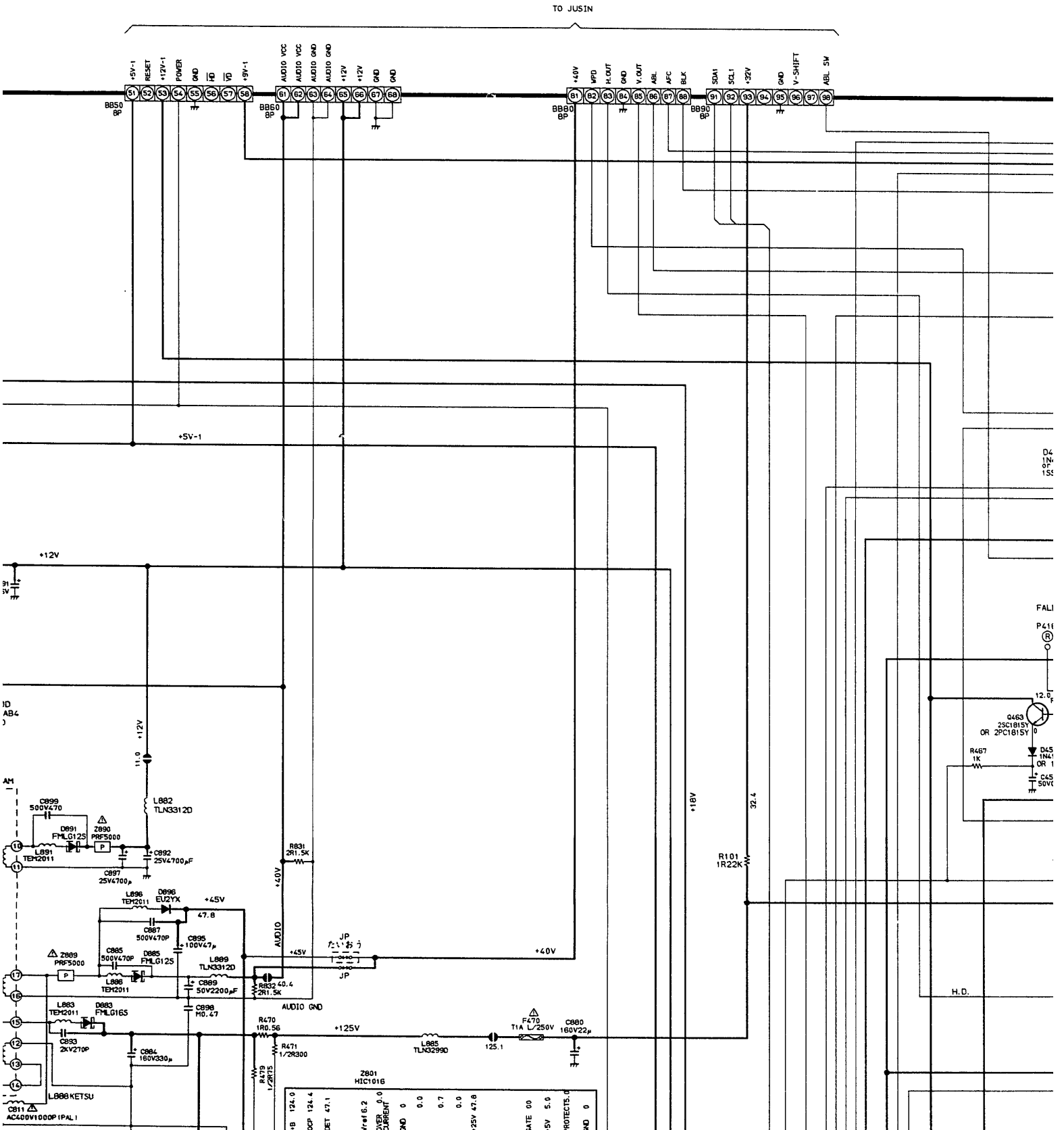


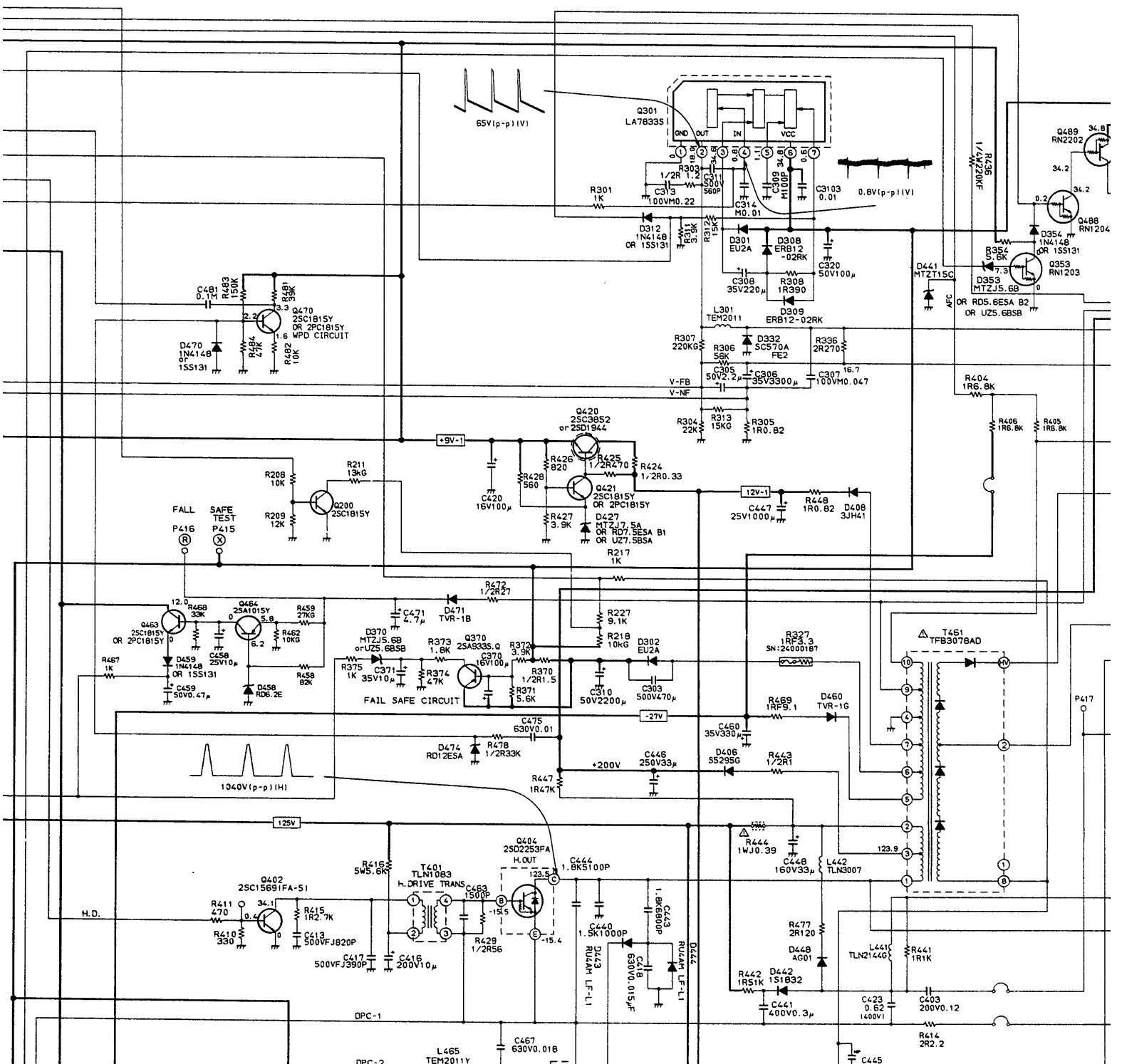
030 9623

SCHEMATIC DIAGRAM MODEL : 48PJ6DG / 55PJ6DG (2/5)

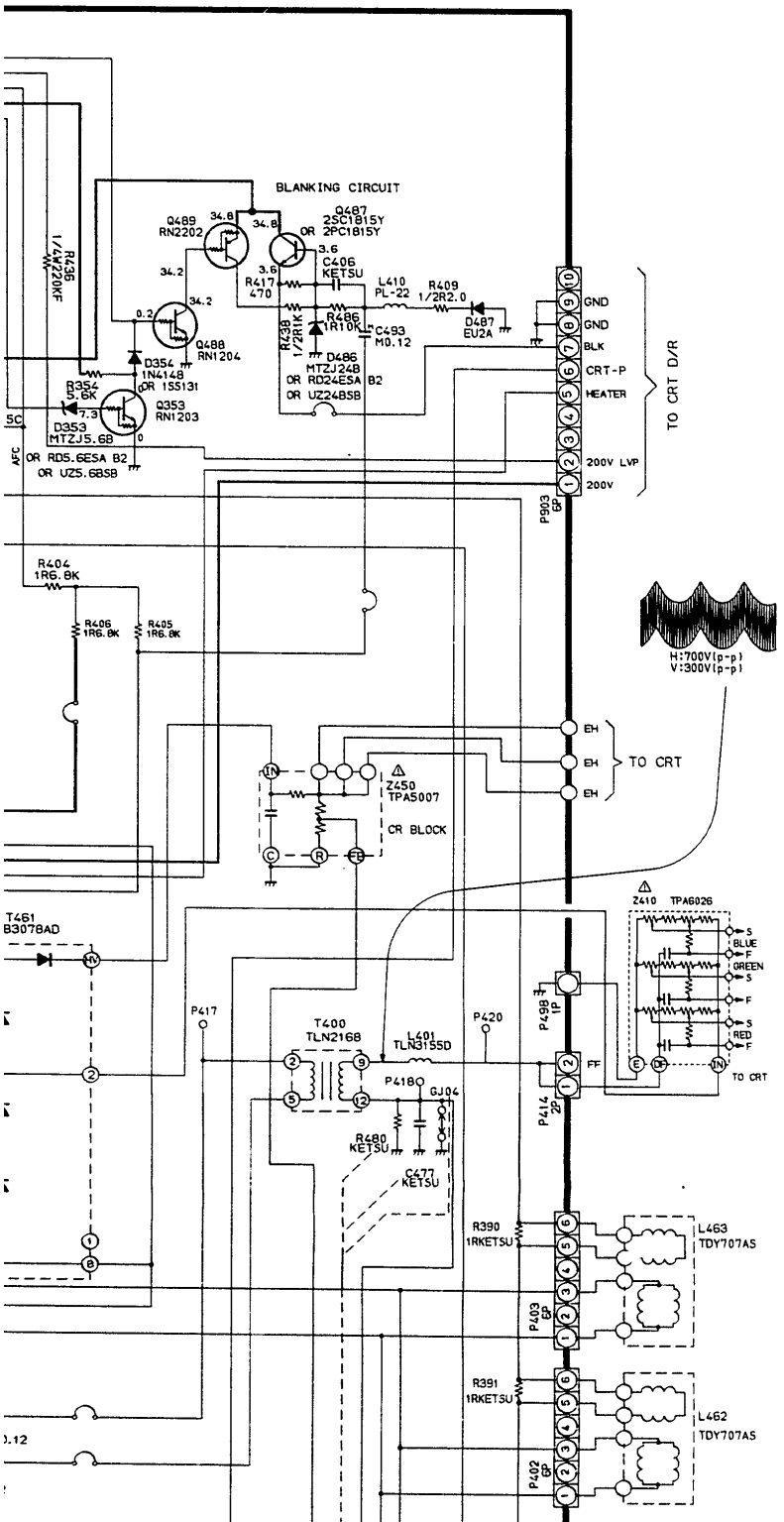


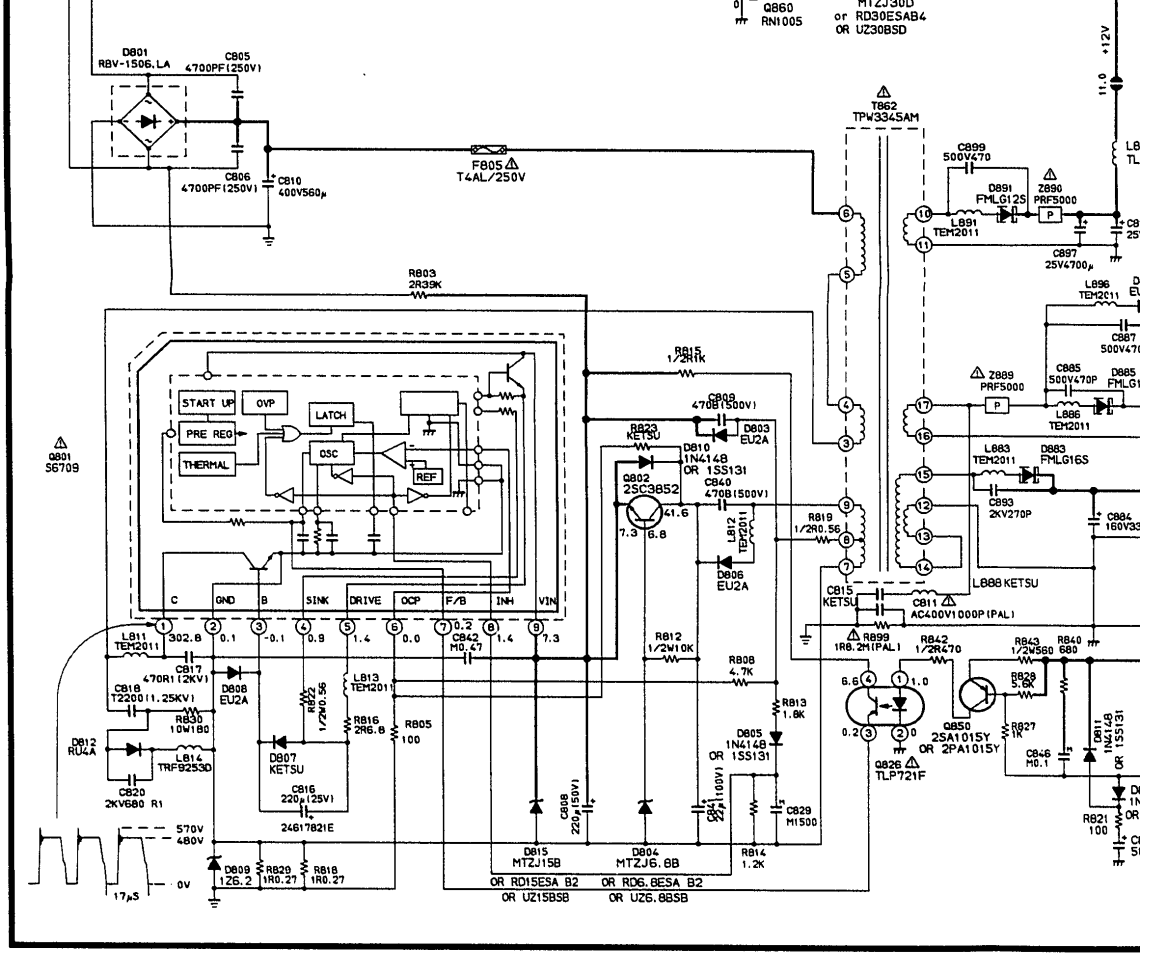
(2/5)


TO JUSIN
BB50 8P
BB60 8P
BB80 8P
BB90 8P
+5V-1
RESET
+12V-1
POWER
GND
HD
VD
+9V-1
AUDIO VCC
AUDIO VCC
AUDIO GND
AUDIO GND
+12V
+12V
GND
GND
+40V
MPD
H.OUT
GND
V.OUT
ABL
AFC
BLK
SDA1
SCL1
+32V
GND
V-SHIFT
ABL SW
+12V
+18V
32.4
R101 1R22K
L882 TLN3312D
C899 500V470
D891 FMLG12S
Z890 PRF5000
L891 TEM2011
C892 25V4700μF
C897 25V4700μ
R831 2R1.5K
+40V
L896 TEM2011
D896 EU2YX
+45V
47.8
C887 500V470P
C895 100V47μ
C885 500V470P
D885 FMLG12S
Z889 PRF5000
L889 TLN3312D
L886 TEM2011
C889 50V2200μF
R832 40.4 2R1.5K
AUDIO
AUDIO GND
JP
たいおう
JP
C898 M0.47
L883 TEM2011
D883 FMLG16S
C893 2KV270P
C884 160V330μ
R470 1R0.56
R471 1/2R300
+125V
L885 TLN32990
125.1
F470 T1A L/250V
C880 160V22μ
R479 1/2R75
Z801 HIC1016
L888 KETSU
C811 AC400V1000P (PAL)
H.D.
Q463 2SC1815Y OR 2PC1815Y
R467 1K


65V(p-p)(V)
Q301
LA7833S
GND
OUT
IN
VCC
0.8V(p-p)(V)
R301
1K
C313
100VM0.22
C314
M0.01
C309
M100P
C3103
0.01
D312
1N4148
OR 1SS131
R303
1/2R 1.2
C331
500V
560P
R311
3.9K
R312
15K
D301
EU2A
D308
ERB12
-02RK
C320
50V100μ
C308
35V220μ
R308
1R390
D309
ERB12-02RK
L301
TEM2011
R307
220KΩ
R306
56K
D332
SC570A
FE2
R336
2R270
C305
50V2.2μ
C306
35V3300μ
C307
100VM0.047
V-FB
V-NF
R304
22K
R313
15K
R305
1R0.82
R404
1R6.8K
R406
1R6.8K
R405
1R6.8K
Q420
2SC3852
or 2SD1944
R426
820
R425
1/2R470
R424
1/2R0.33
Q421
2SC1815Y
OR 2PC1815Y
R428
560
R427
3.9K
D427
MTZJ7.5A
OR RD7.5ESA B1
OR UZ7.5BSA
+9V-1
12V-1
C420
16V100μ
C447
25V1000μ
R448
1R0.82
D408
3JH41
R217
1K
R211
13kΩ
R208
10K
R209
12K
Q200
2SC1815Y
FALL
SAFE
TEST
P416
P415
R472
1/2R27
D471
TVR-1B
C471
4.7μ
R227
9.1K
R218
10kΩ
D302
EU2A
R327
1RF3.3
SN:24000187
T461
TFB3078AD
P417
Q463
2SC1815Y
OR 2PC1815Y
R468
33K
Q464
2SA1015Y
R459
27KΩ
R462
10KΩ
R467
1K
D459
1N4148
OR 1SS131
C458
25V10μ
C459
50V0.47μ
D458
RD6.2E
R458
82K
D370
MTZJ5.6B
orUZ5.6BSB
R373
1.8K
Q370
2SA933S.Q
C370
16V100μ
R372
3.9K
R375
1K
C371
35V10μ
R374
47K
R370
1/2R1.5
R371
5.6K
FAIL SAFE CIRCUIT
C310
50V2200μ
C303
500V470μ
R469
1RF9.1
D460
TVR-1G
-27V
C460
35V330μ
C475
630V0.01
D474
RD12ESA
R478
1/2R33K
C446
250V33μ
D406
5529S6
R443
1/2R1
+200V
R447
1R47K
1040V(p-p)(H)
125V
R444
1WJ0.39
C448
160V33μ
L442
TLN3007
123.9
Q404
2SD2253FA
H.OUT
C444
1.8K5100P
123.5
R416
5W5.6K
T401
TLN1083
h.DRIVE TRANS
C463
1500P
-19.5
-15.4
Q402
2SC1569(FA-5)
H.D.
R411
470
34.1
0.4
R415
1R2.7K
R410
330
C413
500VFJ820P
C417
500VFJ390P
C416
200V10μ
R429
1/2R56
C440
1.5K1000P
D443
RU4AM LF-L1
C443
1.8K6800P
C3
630V0.015μF
D444
RU4AM LF-L1
R477
2R120
D448
AG01
L441
TLN2144G
R441
1R1K
R442
1R51K
D442
1S1832
C441
400V0.3μ
C423
0.62
(400V)
C403
200V0.12
R414
2R2.2
C445
DPC-1
DPC-2
C467
630V0.018
L465
TEM2011Y
Q489
RN2202
Q488
RN1204
D354
1N4148
OR 1SS131
Q353
RN1203
R354
5.6K
D353
MTZJ5.6B
D441
MTZT15C
OR RD5.6ESA B2
OR UZ5.6BSB
AFC
R439
1/4W220KF
C481
0.1M
R483
150K
R481
39K
Q470
2SC1815Y
OR 2PC1815Y
WPD CIRCUIT
D470
1N4148
OR
1SS131
R484
47K
R482
10K

DEF/POWER PB6593X



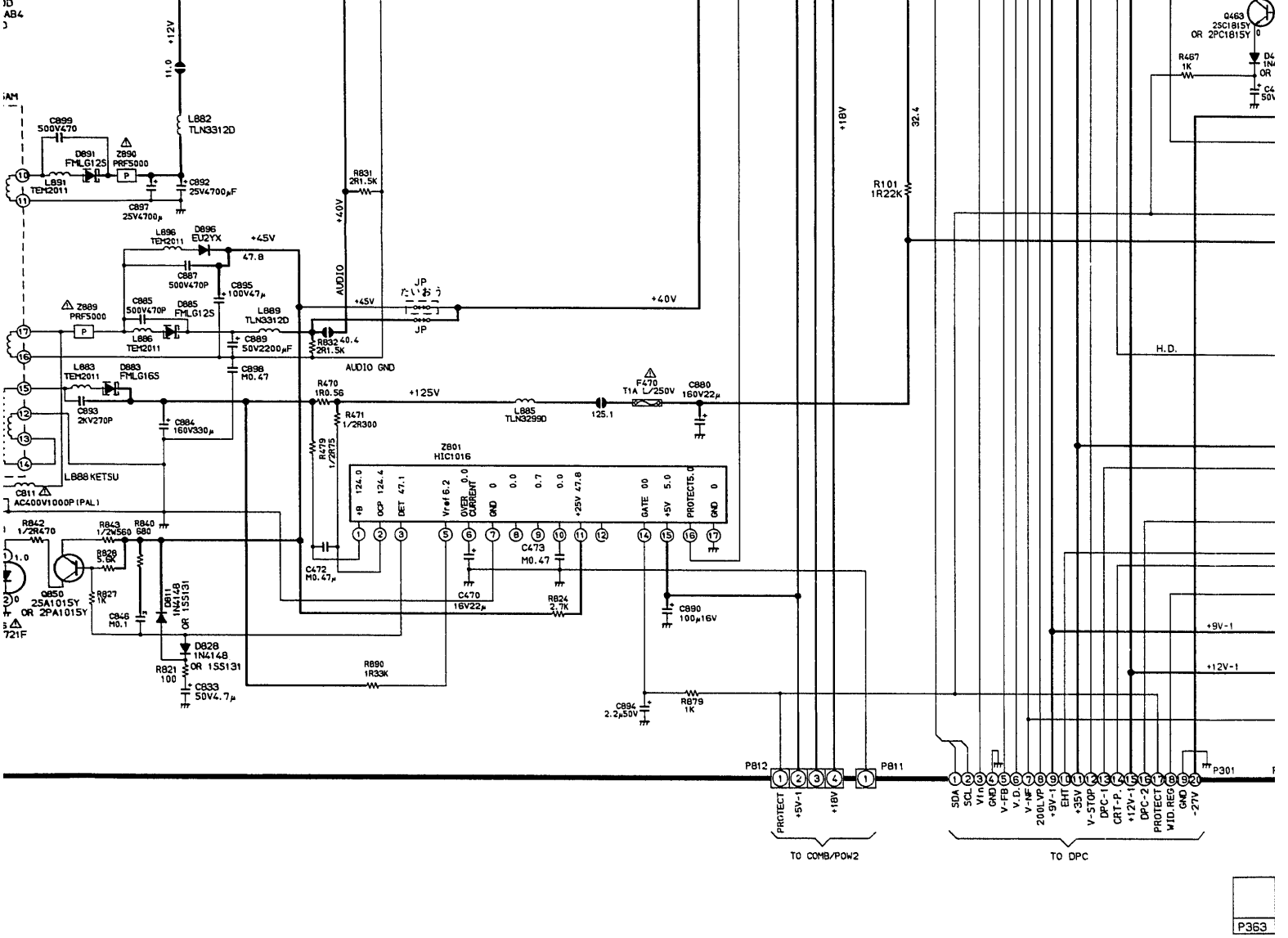


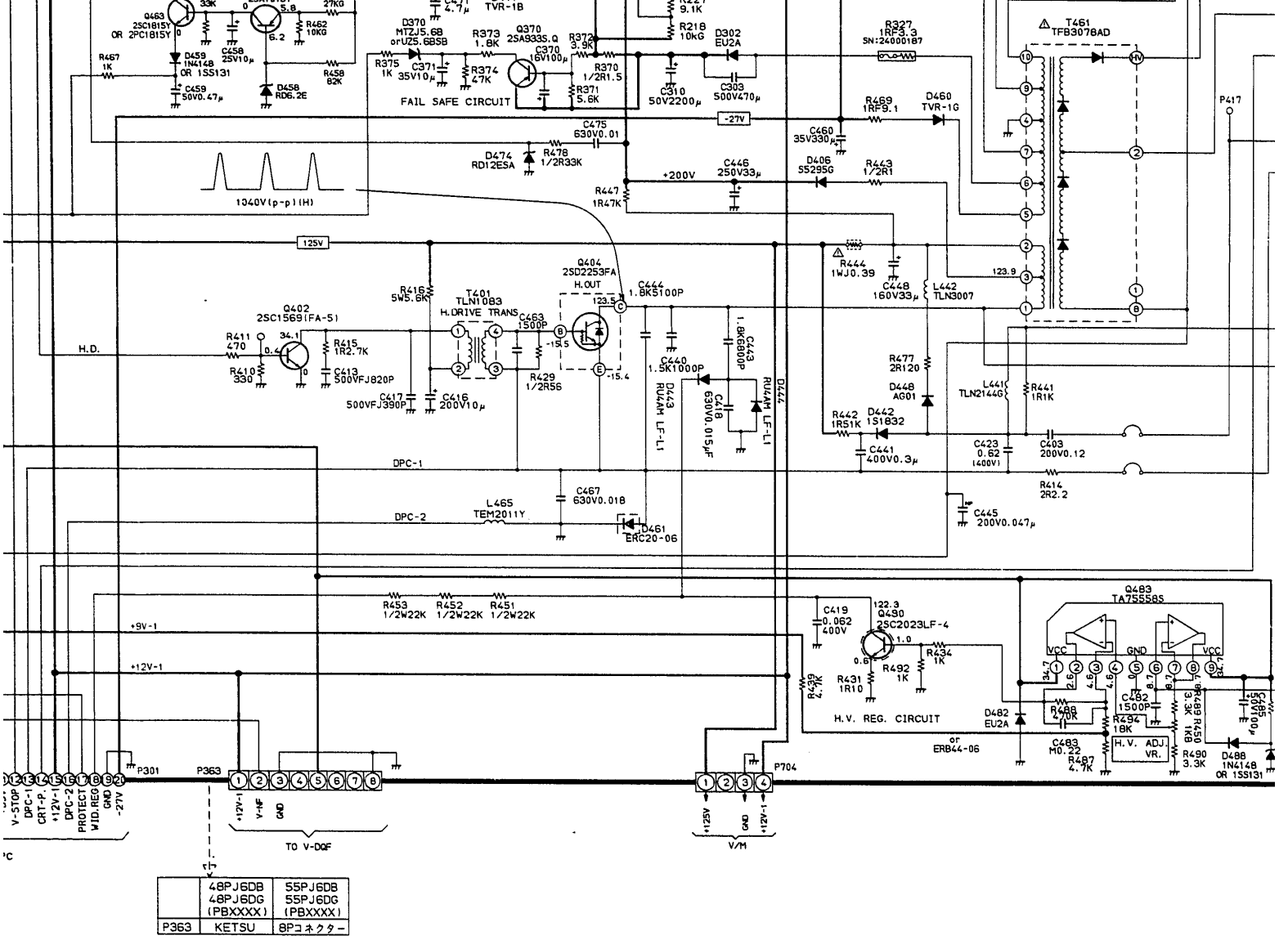
CAUTION

The grounding (⏚ mark) in the schematic diagram is separated from the other circuit ground (⏚ mark) to prevent possible shock hazard.

⏚ : Live ground

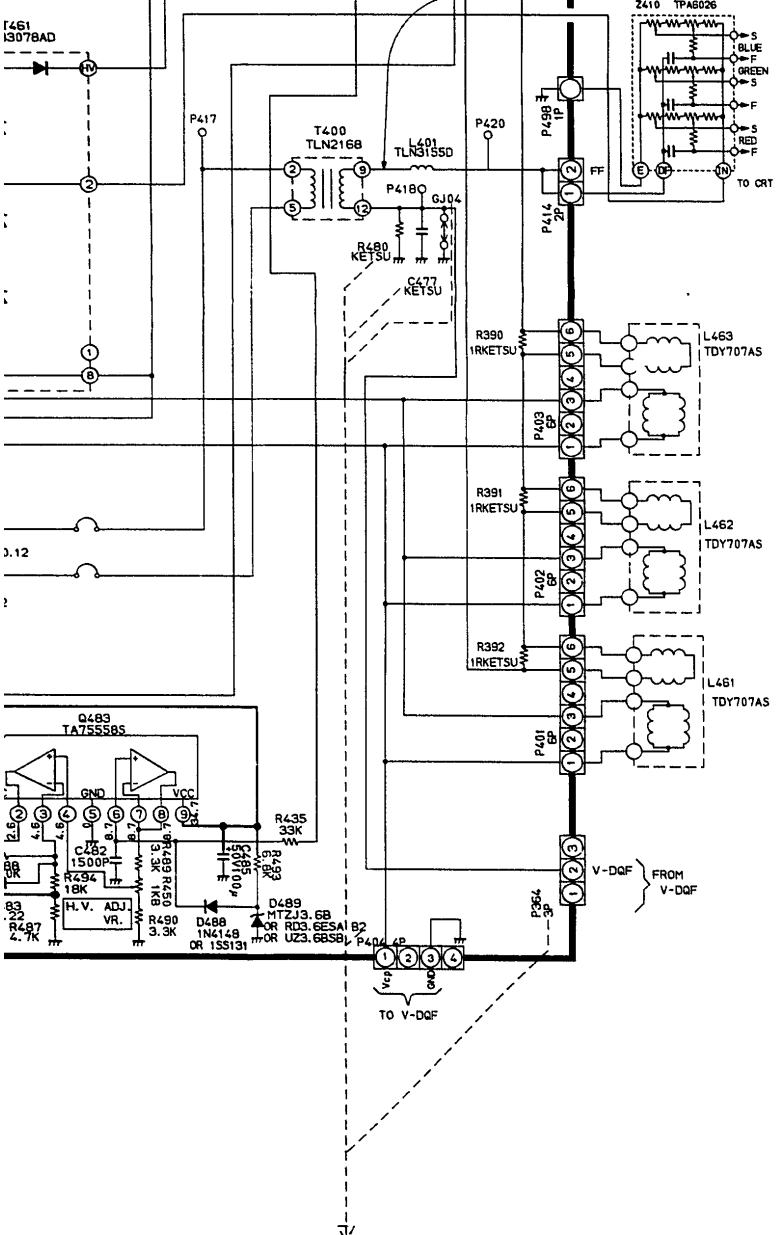
⏚ : Isolated ground


+12V
L882 TLN3312D
C899 500V470
D891 FMLG12S
Z890 PRF5000
L891 TEM2011
C892 25V4700μF
C897 25V4700μ
+40V
R831 2R1.5K
AUDIO
+45V
D896 EU2YX
47.8
L896 TEM2011
C887 500V470P
C895 100V47μ
C885 500V470P
D885 FMLG12S
L889 TLN3312D
Z889 PRF5000
L886 TEM2011
C889 50V2200μF
R832 2R1.5K
40.4
AUDIO GND
JP
たいおう
JP
+40V
C898 M0.47
L883 TEM2011
D883 FMLG16S
C893 2KV270P
C884 160V330μ
L888 KETSU
C811 AC400V1000P (PAL)
R470 1R0.56
+125V
R471 1/2R300
R472 1/2R75
L885 TLN3299D
125.1
F470 T1A L/250V
C880 160V22μ
Z801 HIC1016
+B 124.0
OCP 124.4
DET 47.1
Vref 6.2
OVER CURRENT 0.0
GND 0
0.0
0.7
0.0
+25V 47.8
GATE 00
+5V 5.0
PROTECT5.0
GND 0
C472 M0.47μ
C470 16V22μ
C473 M0.47
R824 2.7K
C890 100μ16V
R842 1/2R470
R843 1/2W560
R840 680
R828 5.6K
Q850 2SA1015Y OR 2PA1015Y
R827 1K
C848 M0.1
D811 1N4148 OR 1SS131
D828 1N4148 OR 1SS131
R821 100
C833 50V4.7μ
R890 1R33K
C894 2.2μ50V
R879 1K
+18V
32.4
R101 1R22K
H.D.
Q463 2SC1815Y OR 2PC1815Y
R467 1K
+9V-1
+12V-1
P812
P811
P301
PROTECT
+5V-1
+18V
TO COMB/POW2
SDA
SCL
Vin
GND
V-FB
V.D.
V-NF
200LVP
+9V-1
EHT
+35V
V-STOP
DPC-1
CRT-P.
+12V-1
DPC-2
PROTECT
MID.REG
GND
-27V
TO DPC
P363



	48PJ6DB 48PJ6DG (PBXXXX)	55PJ6DB 55PJ6DG (PBXXXX)
P363	KETSU	8Pコネクター

	48PJ6DB 48PJ6DG (PBXXXX
C477	KETSU
GJ04	メッキJPあ
P364	KETSU
P404	KETSU
R480	KETSU



	48PJ6DB 48PJ6DG (PBXXXX)	55PJ6DB 55PJ6DG (PBXXXX)
C477	KETSU	DC2KV270PF
GJ04	メッキJPあり	KETSU
P364	KETSU	3Pプラグ
P404	KETSU	4Pプラグ
R480	KETSU	1/2S1.8M

SCHEMATIC DIAGRAM **MODEL : 48PJ6DG / 55PJ6DG** **(3/5)**

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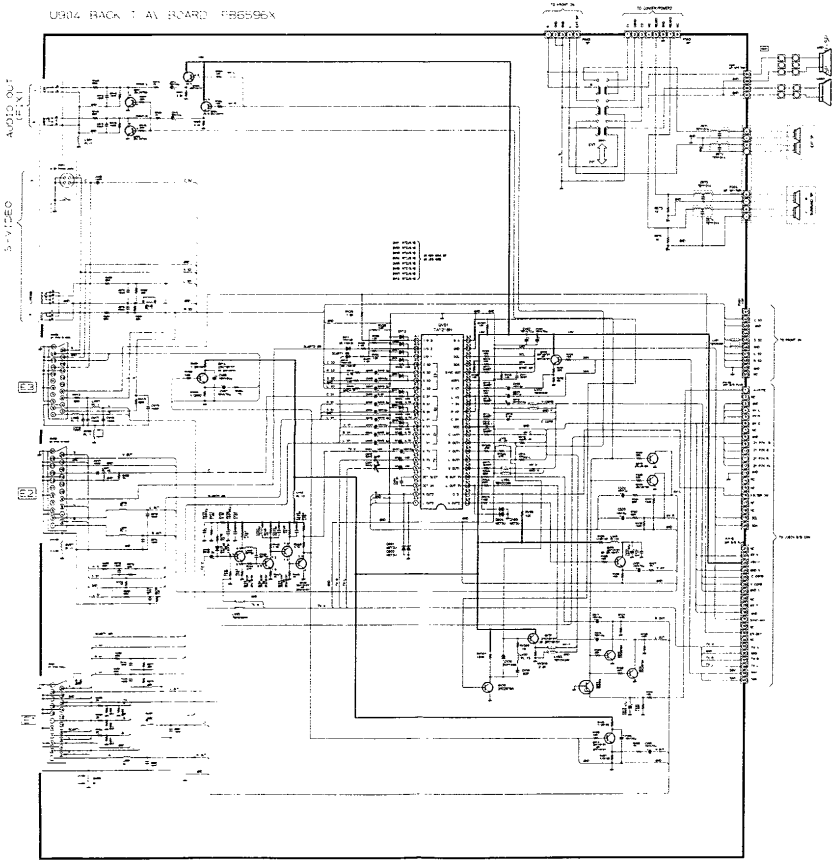
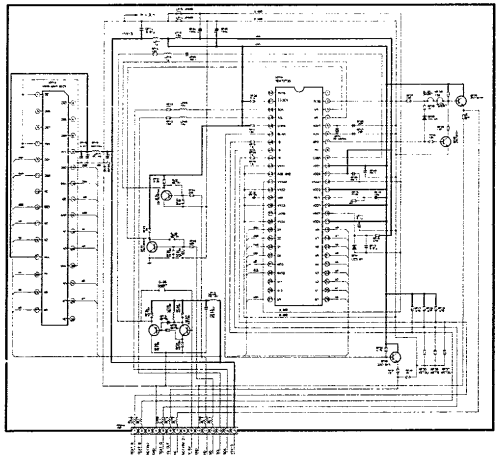
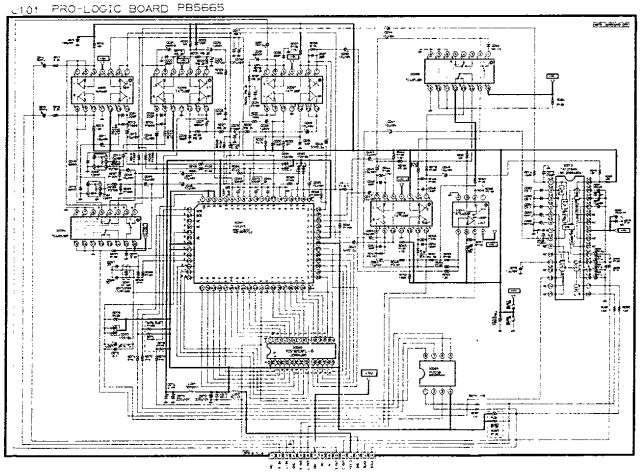
U804 BACK T A\ BOARD PB6598X



U807 TEXT BOARD PB6598X



U101 PRO-LOGIC BOARD PB5665



SCHEMATIC DIAGRAM MODEL : 48PJ6DG / 55PJ6DG (3/5)

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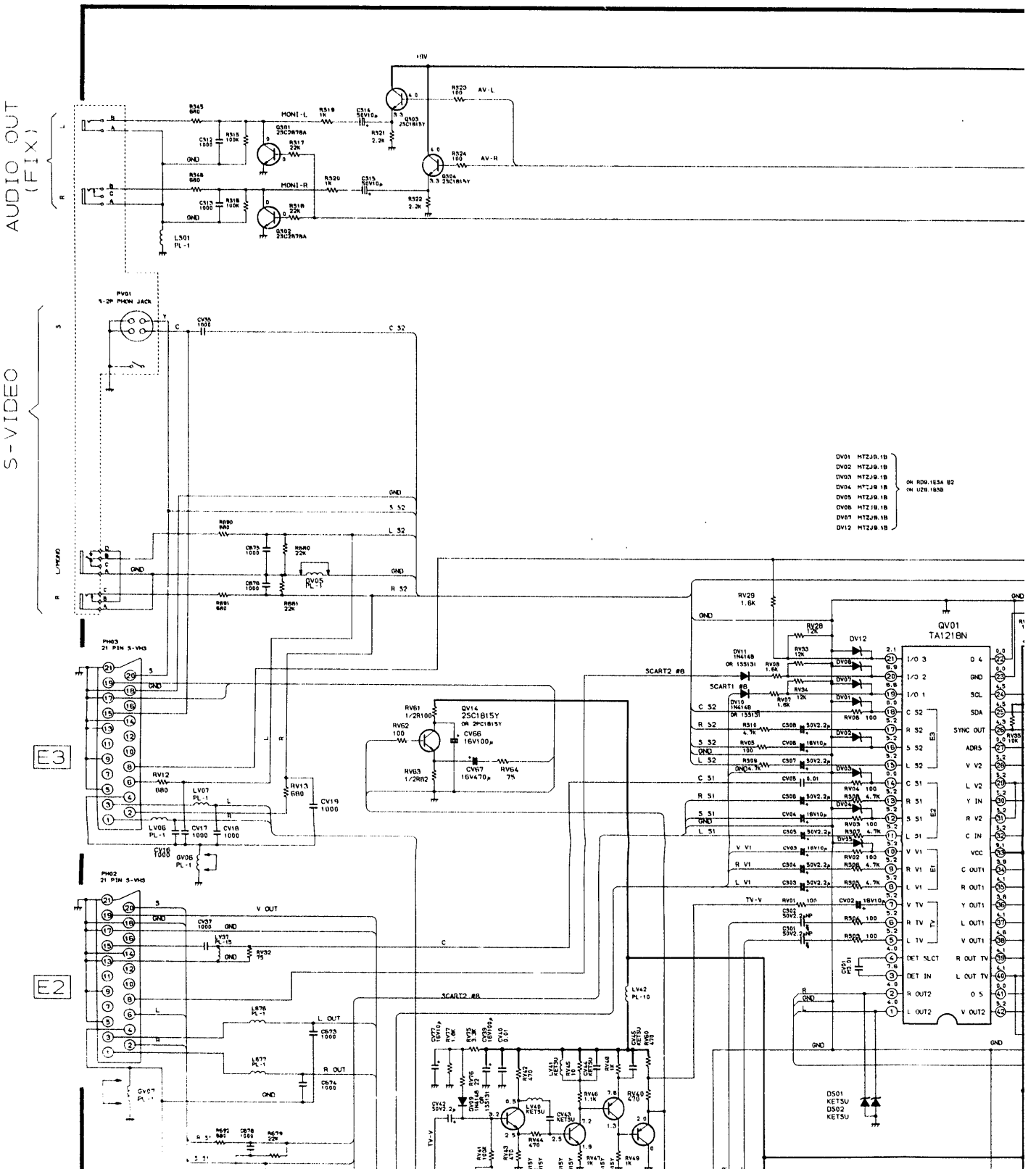
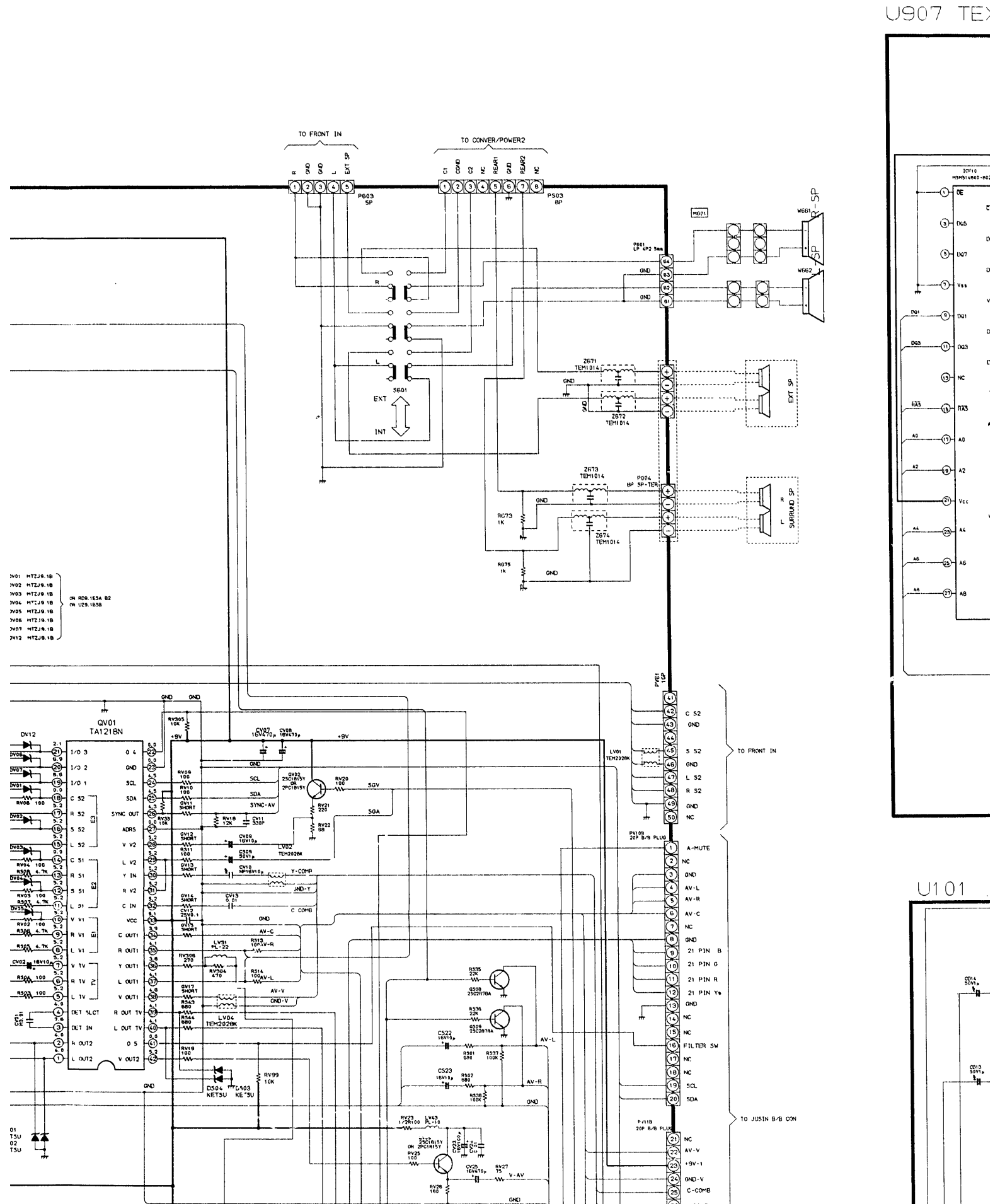
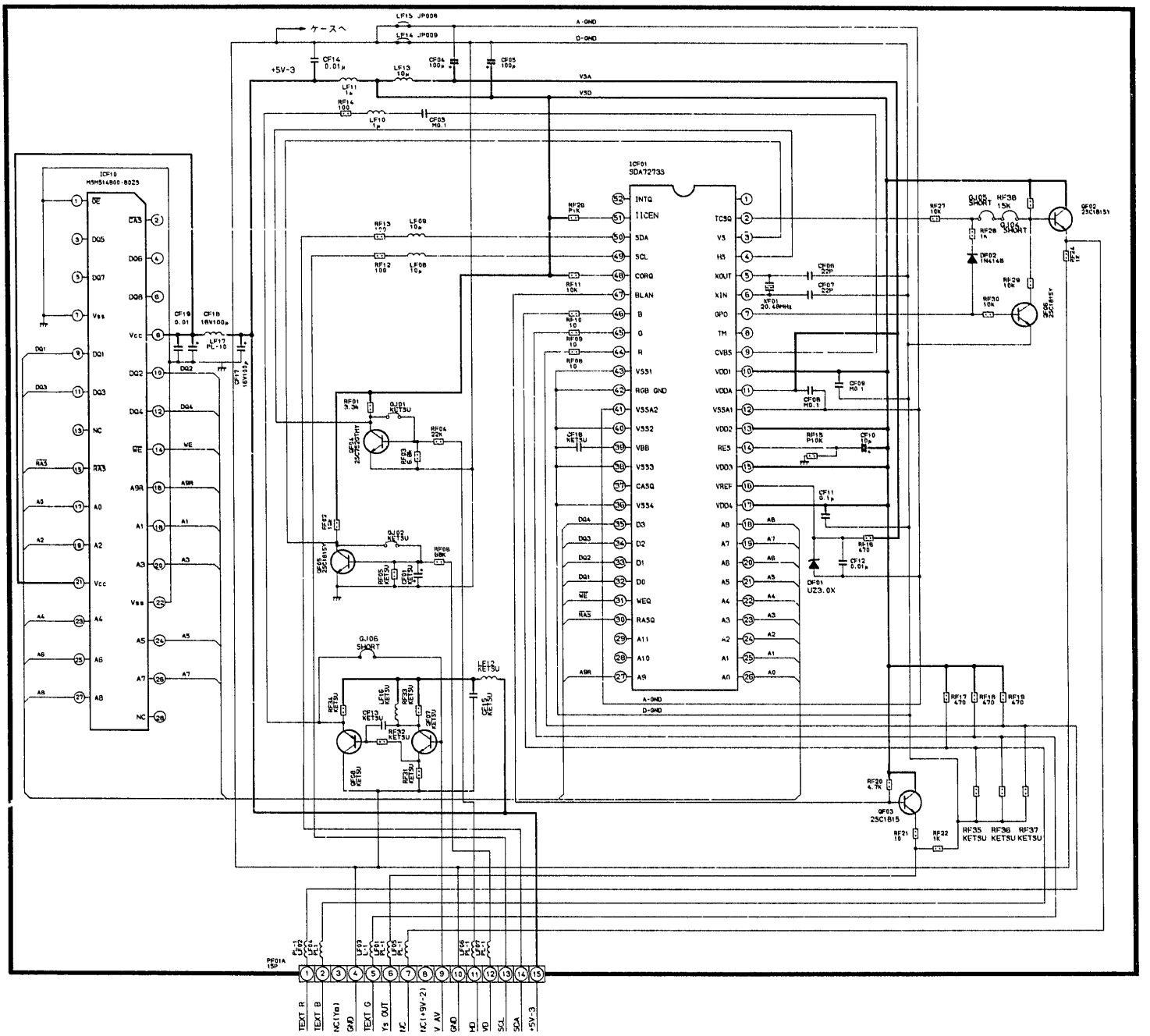
U904 BACK-T AV BOARD PB6596X



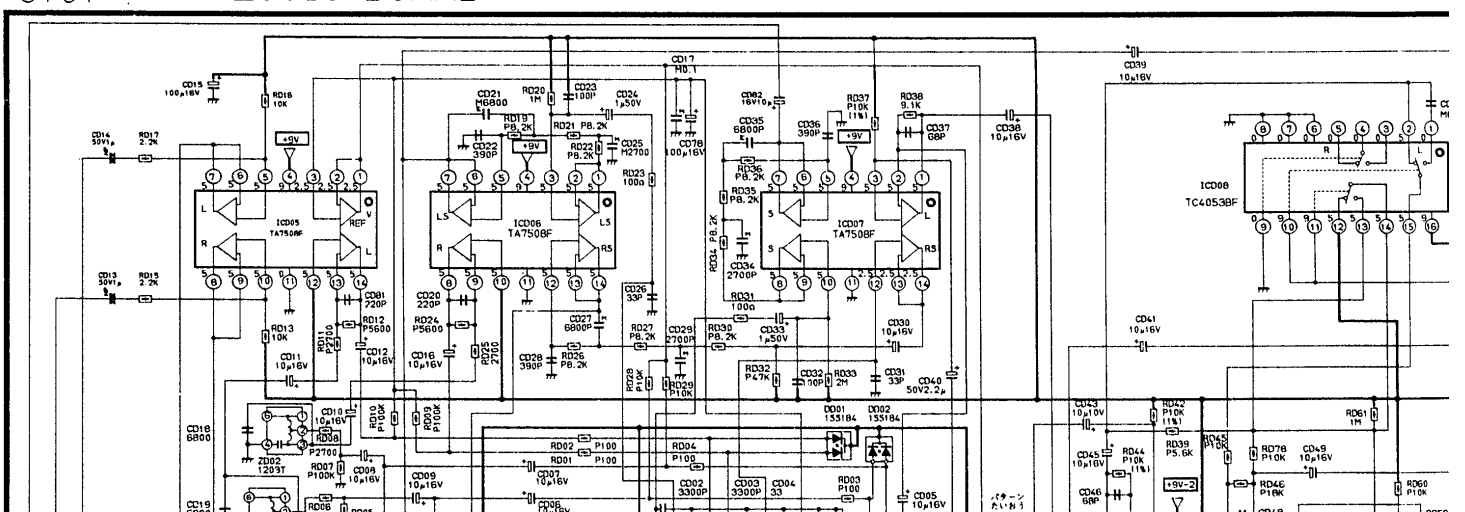
G (3/5)

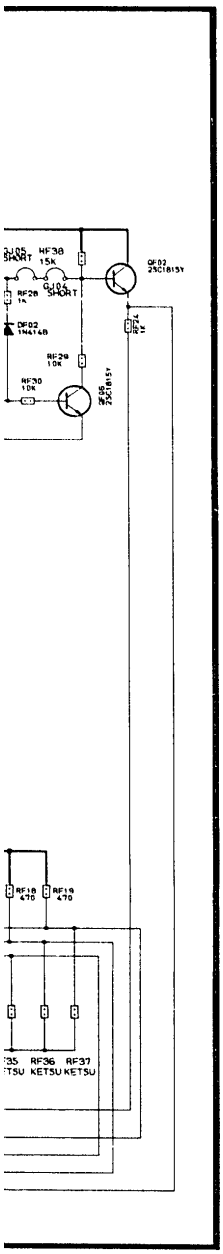

TO FRONT IN
TO CONVER/POWER2
P603 5P
PS03 8P
R-SP
EXT SP
SURROUND SP
S601
EXT
INT
QV01 TA1218N
TO FRONT IN
TO JUSIN B/B CON
U907 TE
U101

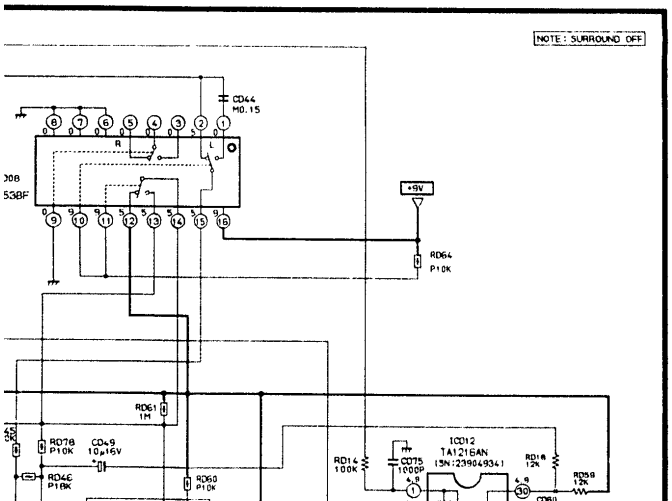
U907 TEXT BOARD PB6598X

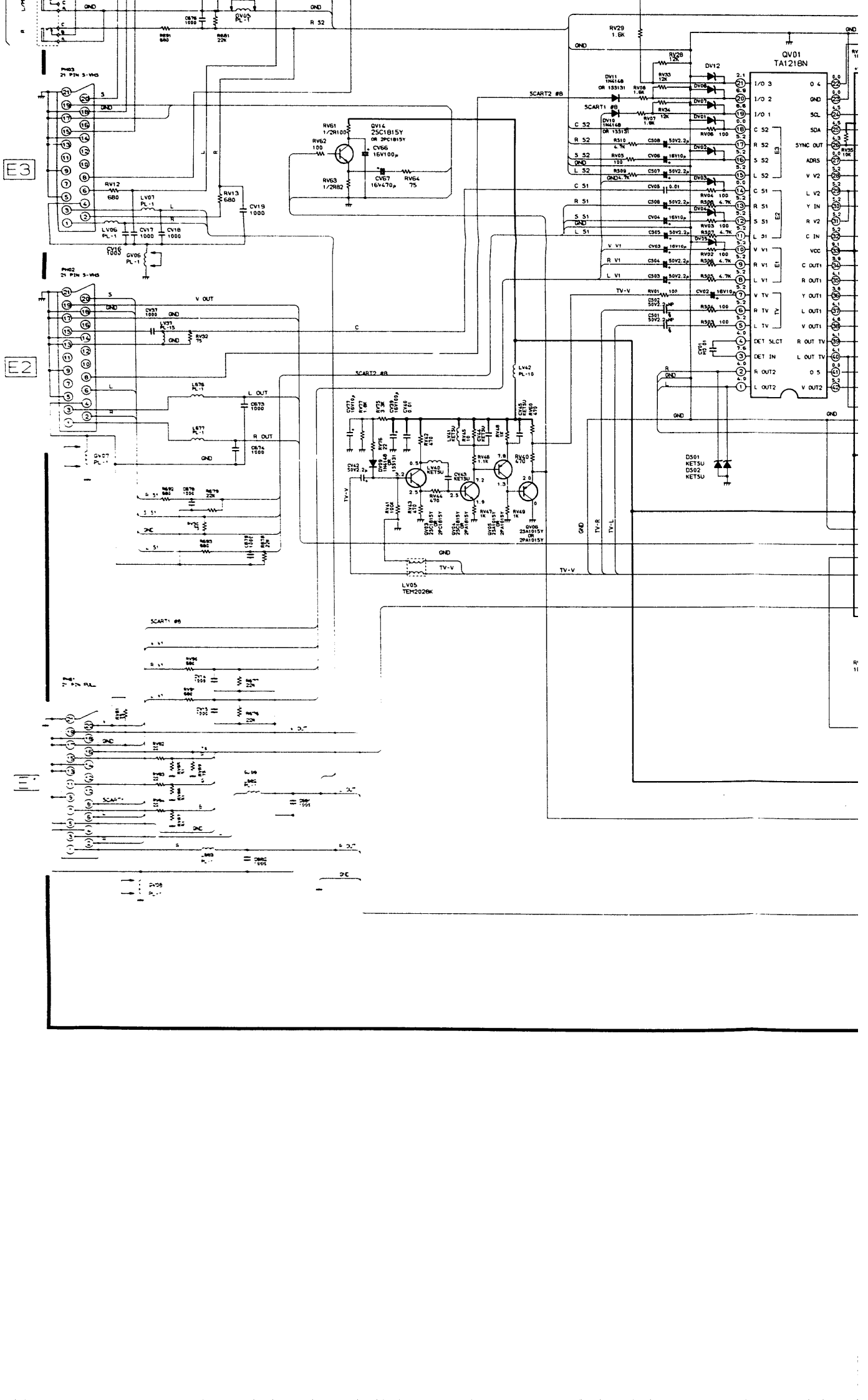


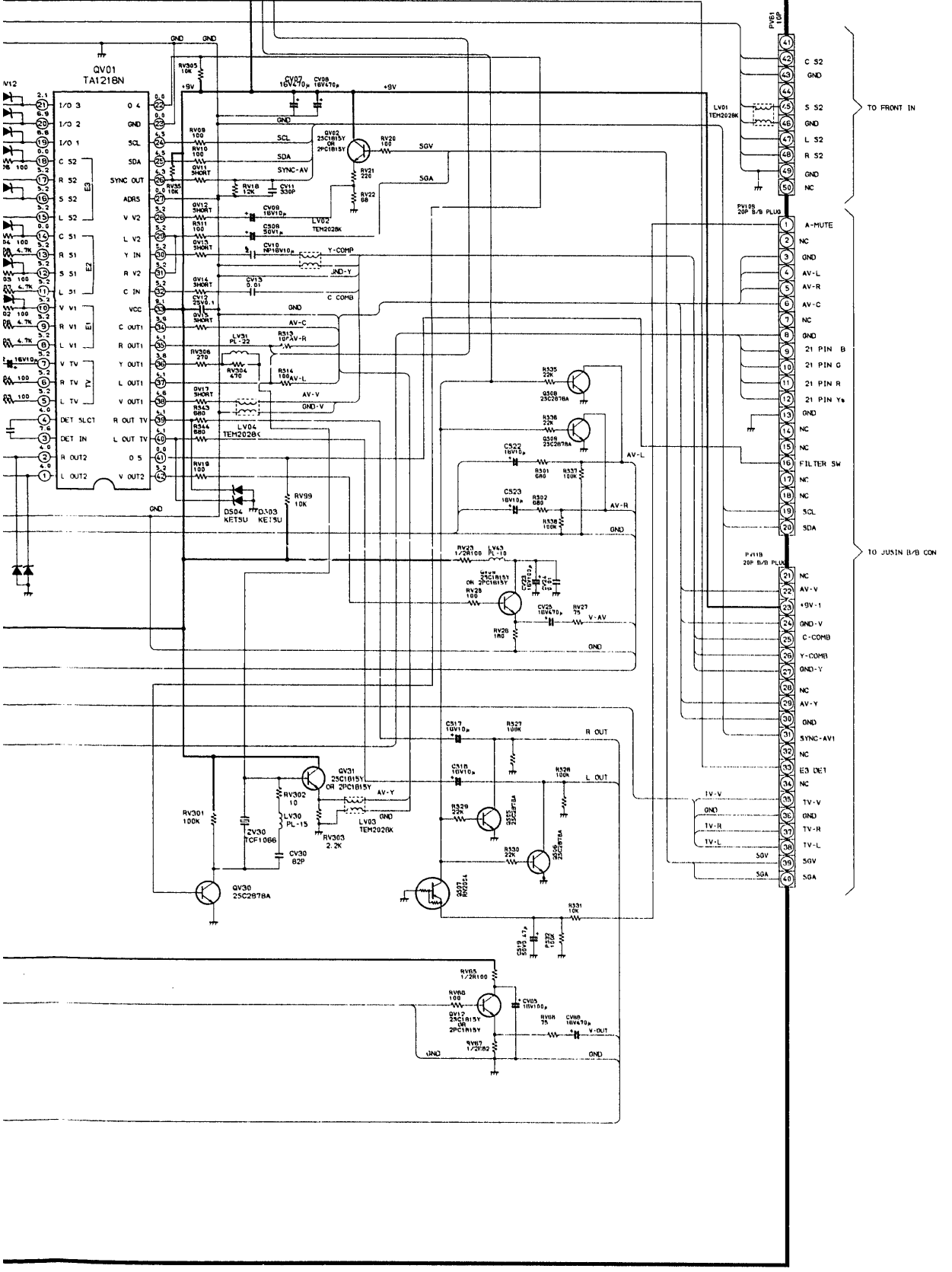
U101 PRO-LOGIC BOARD PB5665

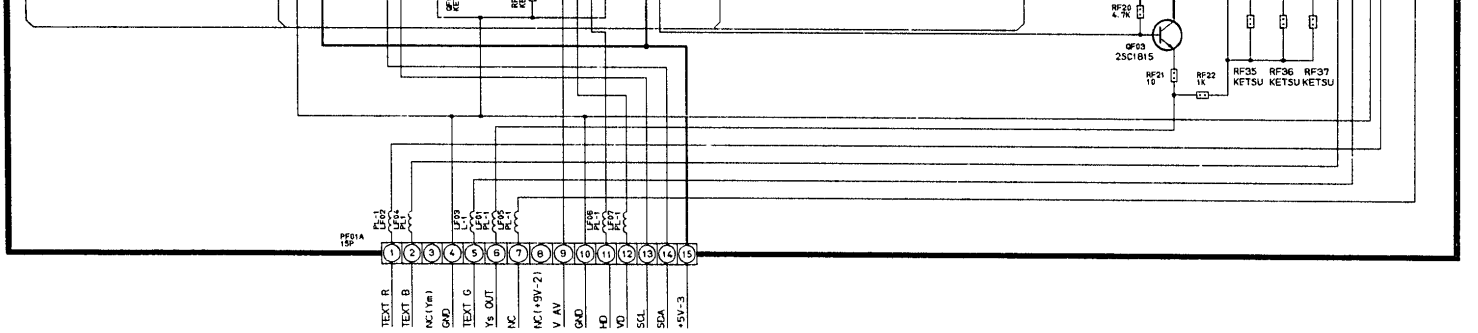



RF38
15K
SHORT
RF28
1K
SHORT
RF29
10K
RF30
10K
RF18
470
RF19
470
RF36
RF37

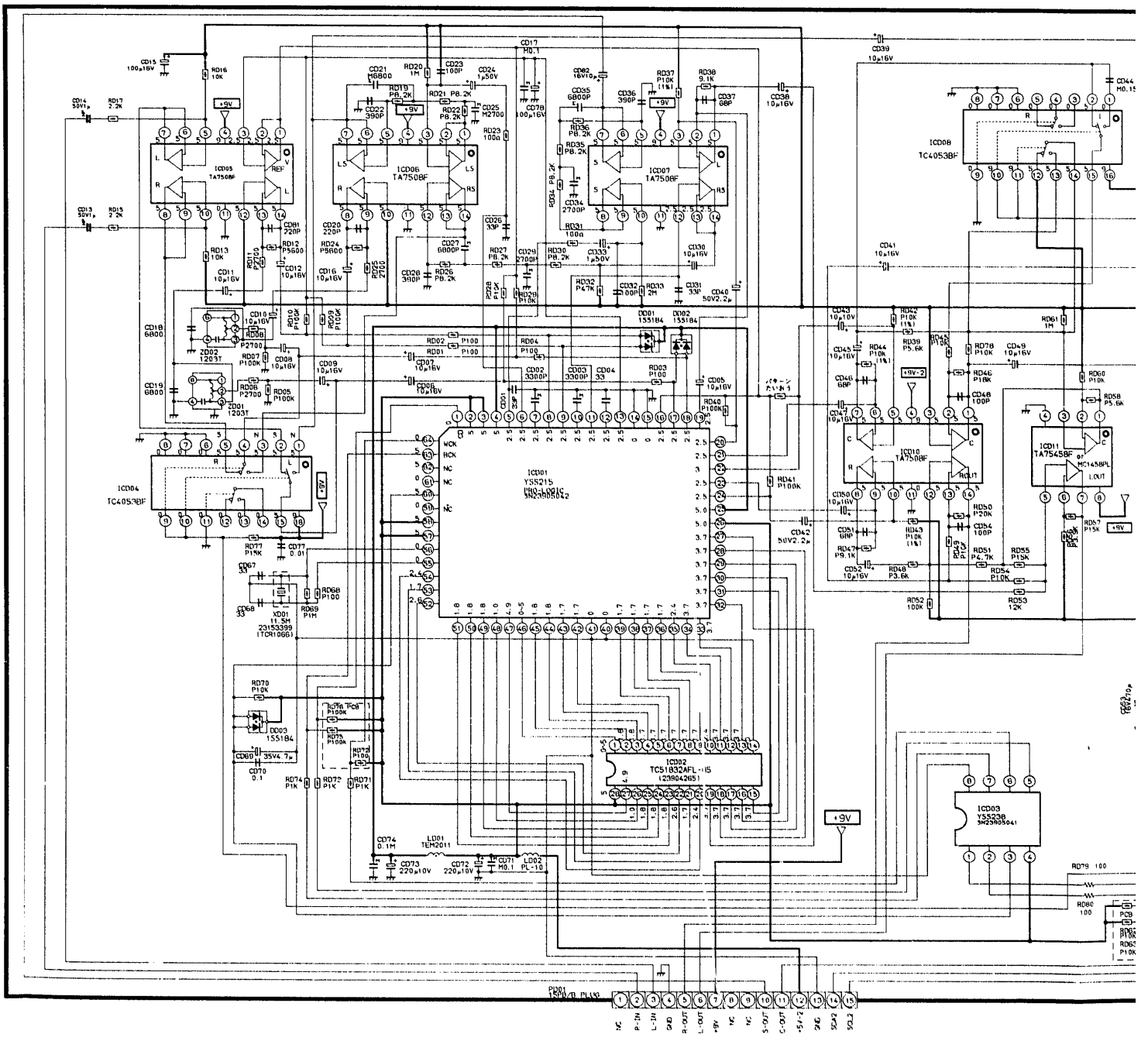

NOTE: SURROUND OFF
CD44
M0.15
+9V
RD64
P10K
RD61
1M
RD78
P10K
CD48
10μ16V
RD45
P18K
RD60
P10K
RD14
100K
CD75
1000P
IC012
TA1216AN
RD18
12K
RD59
12K

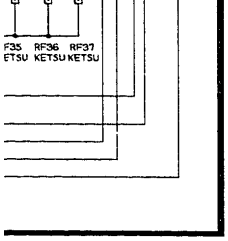

QV01
TA1218N
SCART1 #8
SCART2 #8
E3
E2
E1
TV-V
TV-R
TV-L
GND
R 52
C 52
S 52
L 52
C 51
R 51
S 51
L 51
V V1
R V1
L V1
L OUT
R OUT
V OUT
D501
KETSU
D502
KETSU
LV05
TEH2026K

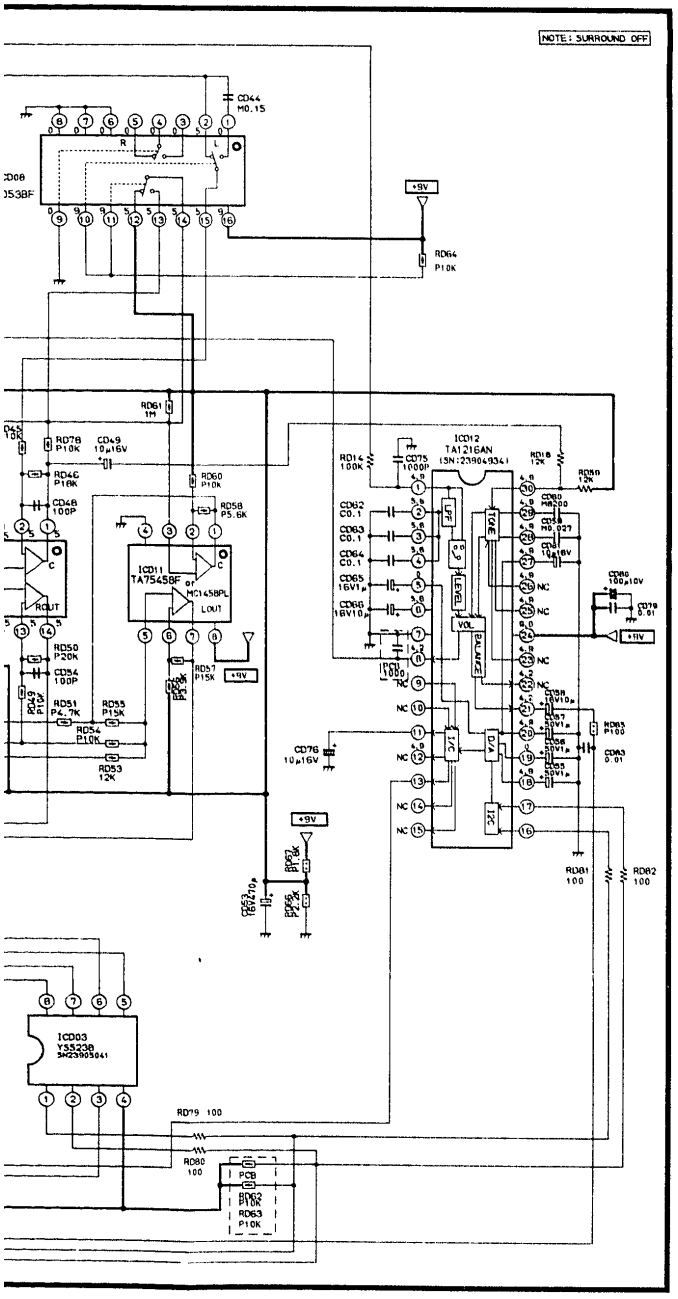

QV01
TA1218N
I/O 3
I/O 2
I/O 1
C S2
R S2
S S2
L S2
C S1
R S1
S S1
L S1
V V1
R V1
L V1
V TV
R TV
L TV
DET SLCT
DET IN
R OUT2
L OUT2
0 4
GND
SCL
SDA
SYNC OUT
ADRS
V V2
L V2
Y IN
R V2
C IN
VCC
C OUT1
R OUT1
Y OUT1
L OUT1
V OUT1
R OUT TV
L OUT TV
0 5
V OUT2
E3
E2
E1
TV
+9V
GND
SCL
SDA
SYNC-AV
SGV
SGA
Y-COMP
GND-Y
C COMB
AV-C
AV-R
AV-L
AV-V
GND-V
V-AV
V-OUT
R OUT
L OUT
AV-Y
TV-V
TV-R
TV-L
TO FRONT IN
TO JUSIN B/B CON
A-MUTE
21 PIN B
21 PIN G
21 PIN R
21 PIN Y
FILTER SW
SYNC-AV1
E3 DET
LV01 TEM2028K
LV02 TEM2028K
LV03 TEM2028K
LV04 TEM2028K
QV02 2SC1815Y OR 2PC1815Y
QV30 2SC2878A
QV31 2SC1815Y OR 2PC1815Y
D504 KET5U
D103 KE15U



U101 PRO-LOGIC BOARD PB5665

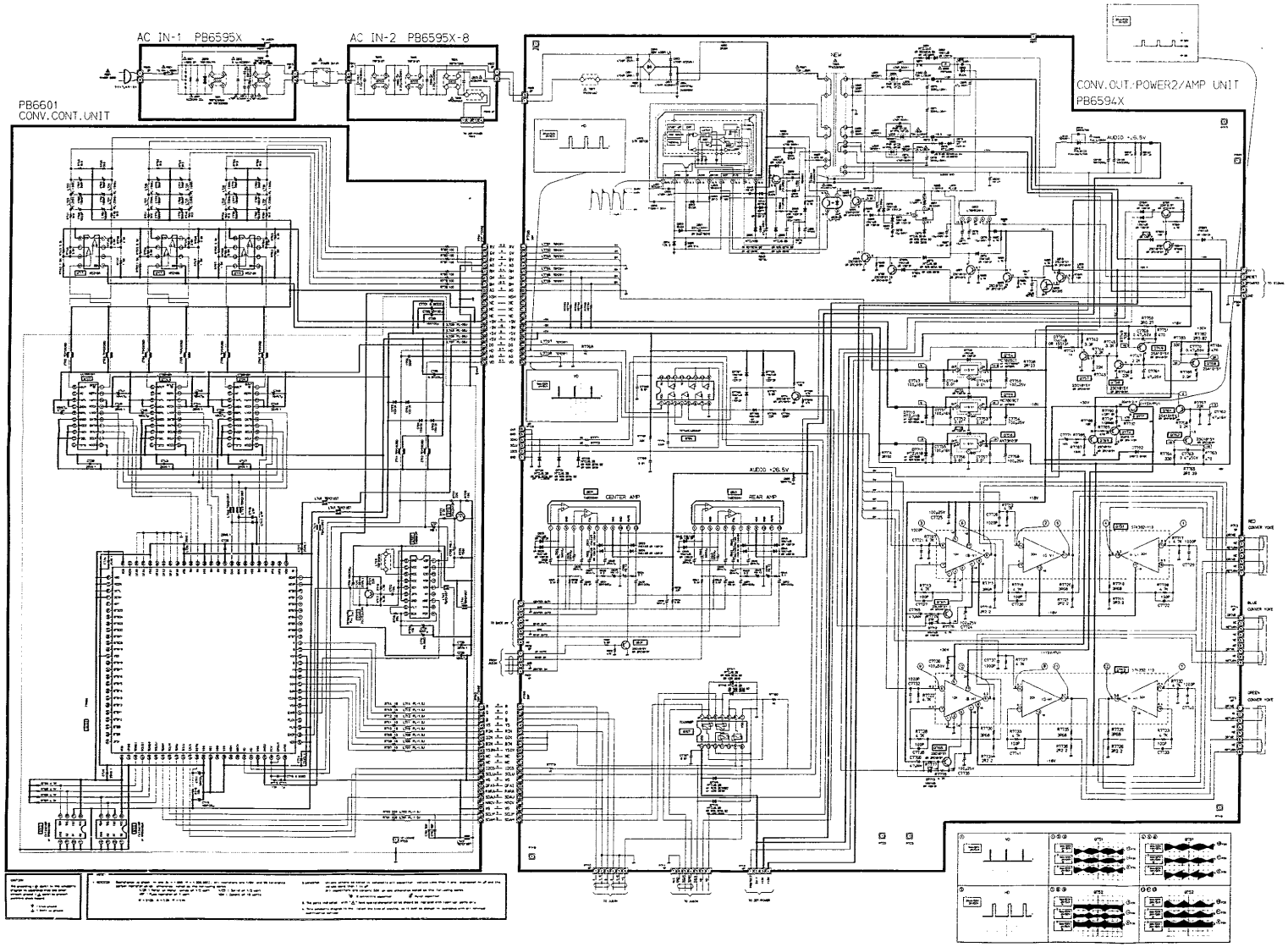



F35 RF36 RF37
ETSU KETSU KETSU


NOTE : SURROUND OFF
CD44 M0.15
RD64 P10K
+9V
RD61 1M
RD78 P10K
CD49 10μ16V
RD60 P10K
RD58 P5.6K
CD48 100P
ICD11 TA7545BF or MC1458PL
RD50 P20K
CD54 100P
RD51 P4.7K
RD55 P15K
RD54 P10K
RD53 12K
RD57 P15K
CD76 10μ16V
ICD12 TA1216AN (SN:23904/9341)
RD14 100K
CD75 1000P
RD10 12K
RD90 12K
CD62 CD.1
CD63 CD.1
CD64 CD.1
CD65 16V1μ
CD66 16V10μ
CD60 M0.22
CD61 10μ16V
CD80 100μ10V
CD79 0.01
+11V
CD77 10V1μ
CD78 10V10μ
CD67 10V1μ
CD68 10V1μ
CD69 10V1μ
RD85 P100
CD83 0.01
RD81 100
RD82 100
CD70 10μ16V
RD72 P15K
RD73 P15K
ICD03 YSS230 SM23905041
RD79 100
RD80 100
PC8
RD62 P15K
RD63 P10K

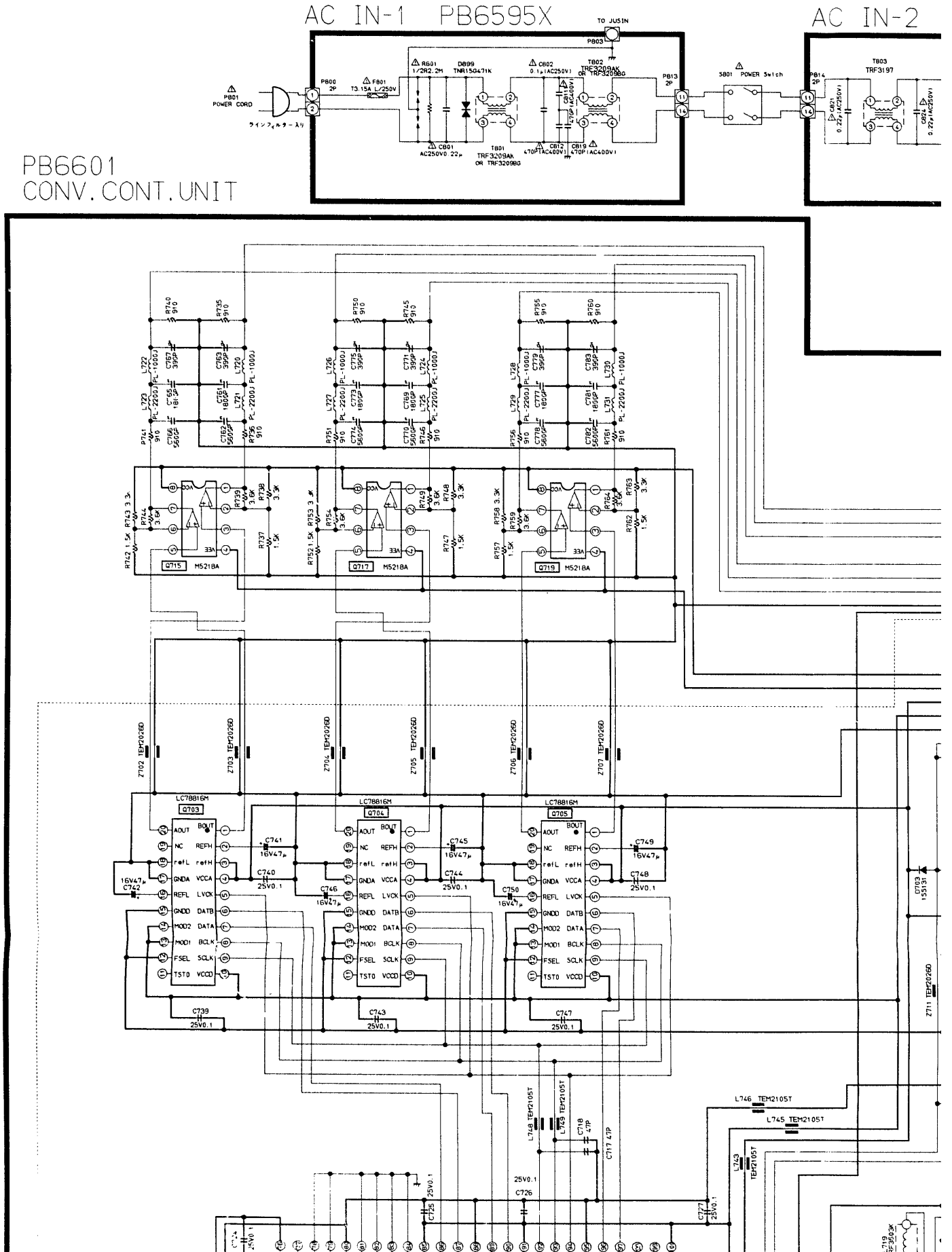
SCHEMATIC DIAGRAM **MODEL : 48PJ6DG / 55PJ6DG** **(4/5)**

0309623

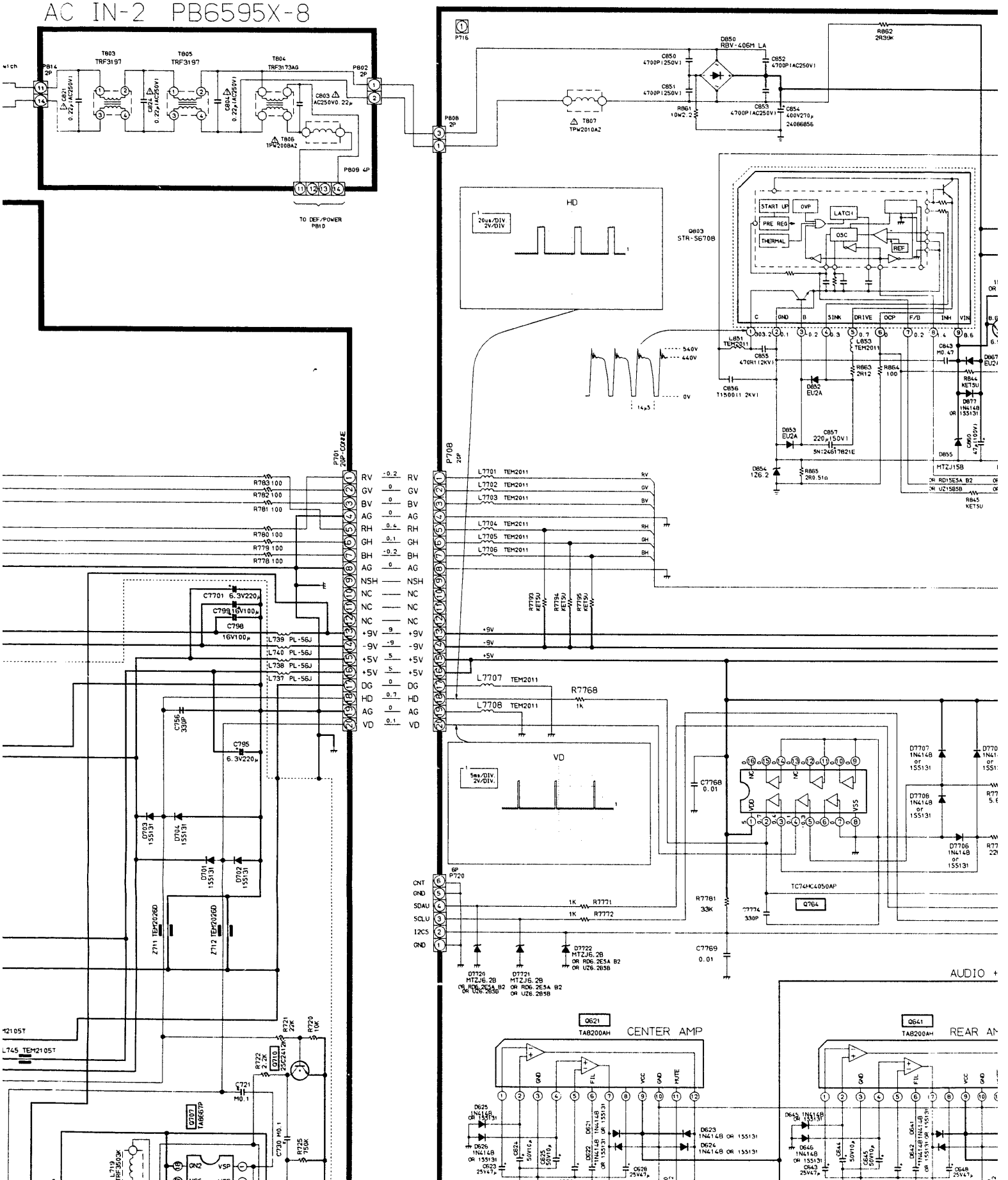


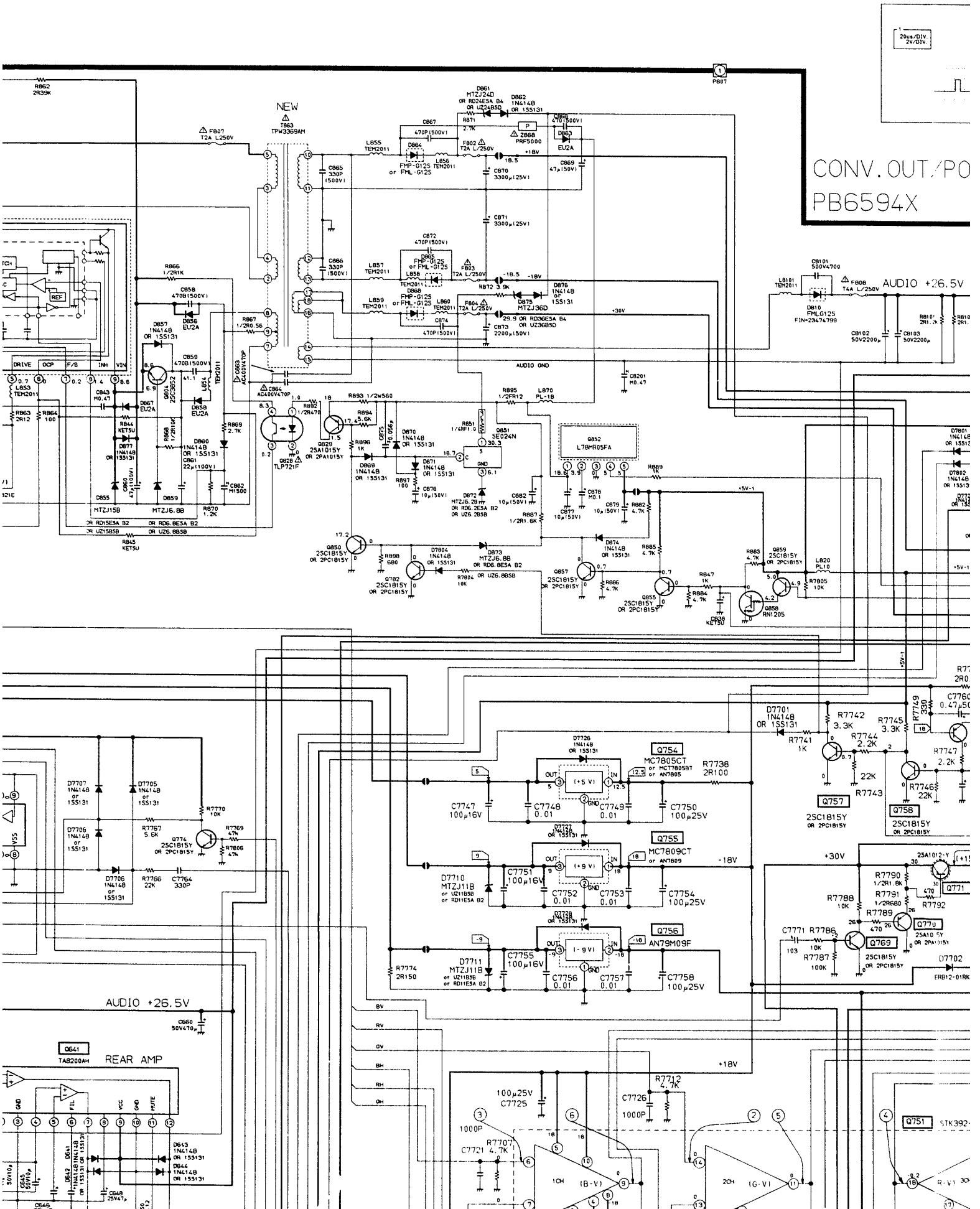
SCHEMATIC DIAGRAM MODEL : 48PJ6DG / 55PJ6DG (4/5)

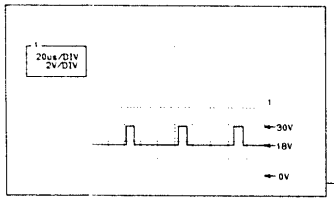
0309623



(4/5)

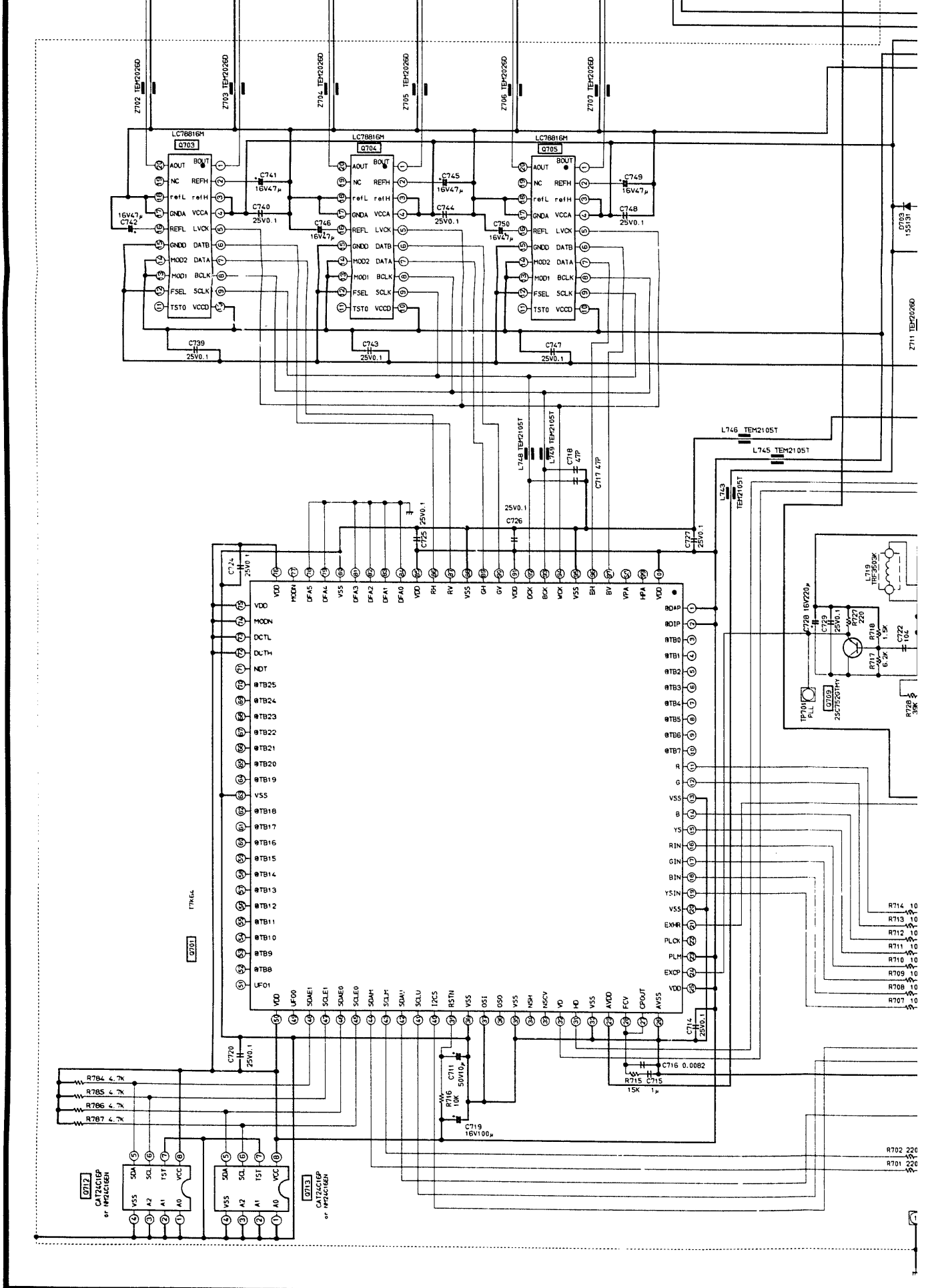

AC IN-2 PB6595X-8
T803 TRF3197
T805 TRF3197
T804 TRF3173AG
T806 TPW2008AZ
T807 TPW2010AZ
PB14 2P
PB02 2P
PB08 2P
PB09 6P
TO DEF/POWER PB10
P716
D850 RBV-406M LA
C850 4700P/250V
C851 4700P/250V
C852 4700P/AC250V
C853 4700P/AC250V
C854 400V270μ 24086856
R861 10W2.2
R862 2R39K
HD
20us/DIV 2V/DIV
Q803 STR-S6708
START UP
OVP
LATCH
PRE REG
THERMAL
OSC
REF
C
GND
B
SINK
DRIVE
OCP
F/B
INH
VIN
540V
440V
0V
14μs
L851 TEM2011
L853 TEM2011
C855 470H/12KV
C856 T1500/11 2KV
D852 EU2A
D853 EU2A
C857 220μ/50V 5N:24617821E
R863 2K12
R864 100
R844 KETSU
R845 KETSU
D877 1N4148 OR 155131
C860 47/100V
D855 MTZJ15B
D854 126.2
R865 2R0.5Ω
P701 20P-CONNECTOR
P708 20P
RV
GV
BV
AG
RH
GH
BH
NSH
NC
+9V
-9V
+5V
DG
HD
VD
R783 100
R782 100
R781 100
R780 100
R779 100
R778 100
L7701 TEM2011
L7702 TEM2011
L7703 TEM2011
L7704 TEM2011
L7705 TEM2011
L7706 TEM2011
R7793 KETSU
R7794 KETSU
R7795 KETSU
C7701 6.3V220μ
C799 16V100μ
C798 16V100μ
L739 PL-56J
L740 PL-56J
L738 PL-56J
L737 PL-56J
L7707 TEM2011
L7708 TEM2011
R7768 1k
C756 330P
C795 6.3V220μ
D703 155131
D704 155131
D701 155131
D702 155131
Z711 TEM2026D
Z712 TEM2026D
VD
5ms/DIV 2V/DIV
C7768 0.01
D7707 1N4148 or 155131
D7708 1N4148 or 155131
D7706 1N4148 or 155131
TC74HC4050AP
Q764
R7781 33K
C7774 330P
C7769 0.01
P720
CNT
GND
SDAU
SCLU
12CS
GND
R7771 1K
R7772 1K
D7720 MTZJ6.2B OR RD6.2E3A B2 OR UZ6.2B5B
D7721 MTZJ6.2B OR RD6.2E3A B2 OR UZ6.2B5B
D7722 MTZJ6.2B OR RD6.2E3A B2 OR UZ6.2B5B
L745 TEM2105T
R721 22K
R720 10K
R722 2.2K
Q710 2SC2412K
C721 M0.1
C730 M0.1
R725 750K
Q707 TA8667P
Q621 TA8200AH
CENTER AMP
GND
FIL
VCC
MUTE
D625 1N4148 OR 155131
D626 1N4148 OR 155131
D623 1N4148 OR 155131
D624 1N4148 OR 155131
D621 1N4148 OR 155131
D622 1N4148 OR 155131
C624 50V1μ
C625 50V10μ
C623 25V47μ
C626 25V47μ
Q641 TA8200AH
REAR AM
D643 1N4148 OR 155131
D646 1N4148 OR 155131
D644 1N4148 OR 155131
D642 1N4148 OR 155131
D641 1N4148 OR 155131
C644 50V1μ
C645 50V10μ
C643 25V47μ
C648 25V47μ
AUDIO


CONV. OUT/PO
PB6594X
NEW
AUDIO +26.5V
AUDIO GND
REAR AMP
+5V-1
+30V
-18V
+18V
(+5 V)
(+9 V)
(-9 V)
MC7805CT
MC7809CT
AN79M09F
2SC1815Y
TAB2200AM



CONV. OUT/POWER2/AMP UNIT
PB6594X

P717
AUDIO +16.5V
F808
T4A L/250V
CB102 50V2200μ
CB103 50V2200μ
RB102 2R1.2K
P805
+18V
+5V-1
D7801 1N4148 OR 1S5131
Q7800 2SA1015Y OR 2PA1015Y
D7802 1N4148 OR 1S5131
R7801 4.7K
R7802 10K
D7803 1N4148 OR 1S5131
Q7801 2SC1815Y OR 2PC1815Y
R7803 1K
-18V
5V-1
RESET
POWER2
GND
TO SIGNAL
P804 5P
+30V
R7750 2R0.27
C7760 0.47μ50V
R7751 470
R7742 3.3K
R7745 3.3K
R7749 330
R7744 2.2K
R7747 2.2K
Q759 2SA1015Y OR 2PA1015Y
22K
R7743
R7746 22K
C7761 47μ25V
Q757
Q758 2SC1815Y OR 2PC1815Y
R7783 330
C7770 0.47μ50V
R7784 470
R7782 2R0.82
Q768 2SA1015Y
R7785 2.2K
+15V/PU1
R7790 1/2R1.8K
R7791 1/2R680
R7792
R7788 10K
R7789
Q771
Q769 2SC1815Y OR 2PC1815Y
D7702 ERB12-01RK
Q761 2SA1015Y OR 2PA1015Y
R7757 22K
C7762 47μ16V
R7758 2.2K
Q762 2SC1815Y OR 2PC1815Y
R7764 330
C7763 0.47μ50V
R7763 470
R7765 2R0.39
Q751 STK392-110
R7717 4.7K 1000P
C7729
P713 7P
RED CONVER YOKE
DRIVE
NC
RETURN
NC
DRIVE
NC



CAUTION

The grounding (⏚ mark) in the schematic diagram is separated from the other circuit ground (⏚ mark) to prevent possible shock hazard.

⏚ : Live ground

⏚ : Isolated ground

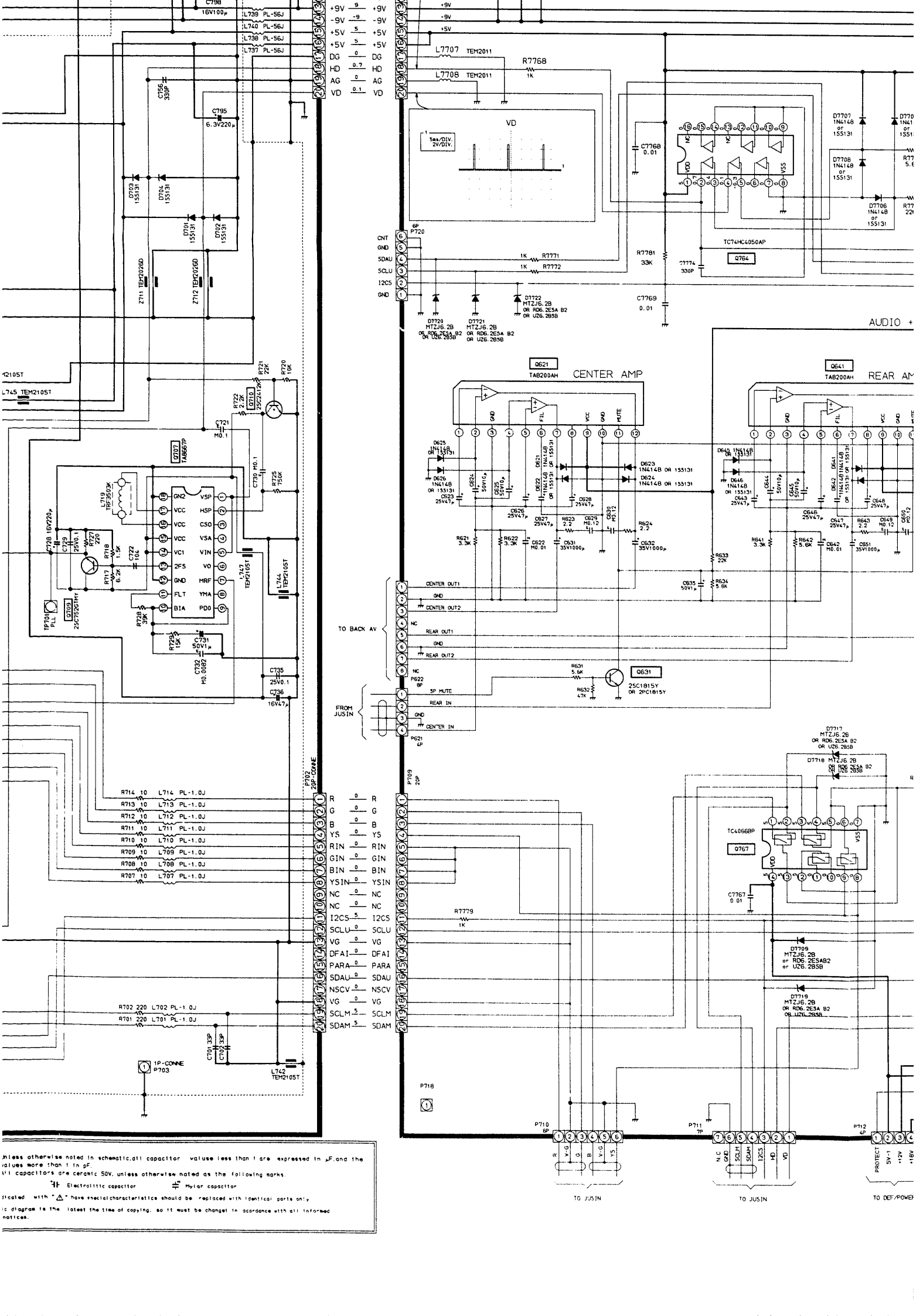
NOTE:

1. RESISTOR — Resistance is shown in ohm (k = 1,000, M = 1,000,000). All resistors are 1/6W and 5% tolerance carbon resistor, unless otherwise noted as the following marks.
   1/2R : Metal or Metal oxide of 1/2 watt
   1RF : Fuse resistor of 1 watt
   1/2S : Solid of 1/2 watt
   10W : Cement of 10 watts
   K = ±10% G = ±2% F = ±1%

2. CAPACITOR — Unless otherwise noted in schematic, all values more than 1 in pF. All capacitors are ceramic 50V, unless o
   ⏚ Electrolitic capacitor

3. The parts indicated with "⚠" have special characteristi

4. This schematic diagram is the latest at the time of copyin modification notices.

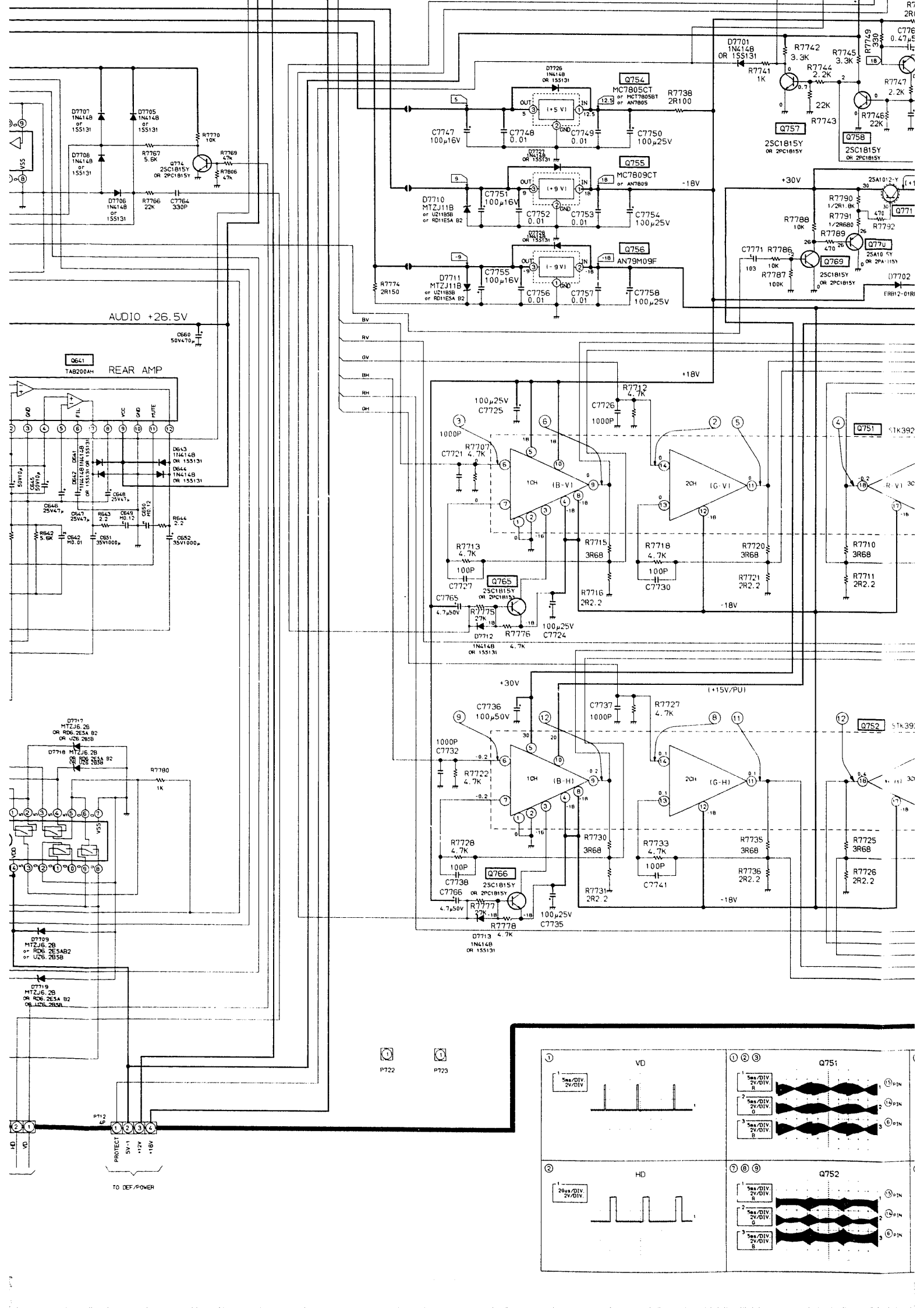


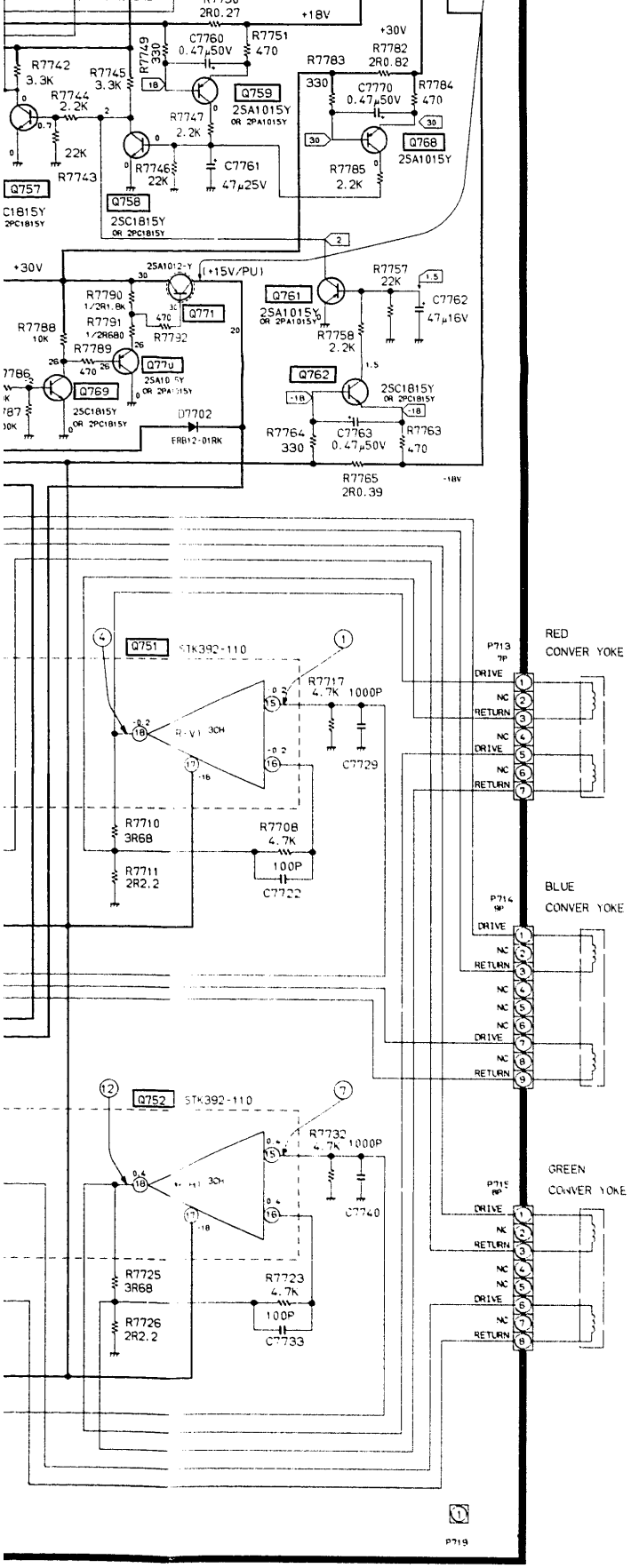
Unless otherwise noted in schematic,all capacitor value less than 1 are expressed in μF,and the values more than 1 in pF.
All capacitors are ceramic 50V, unless otherwise noted as the following marks.

Electrolitic capacitor Mylar capacitor

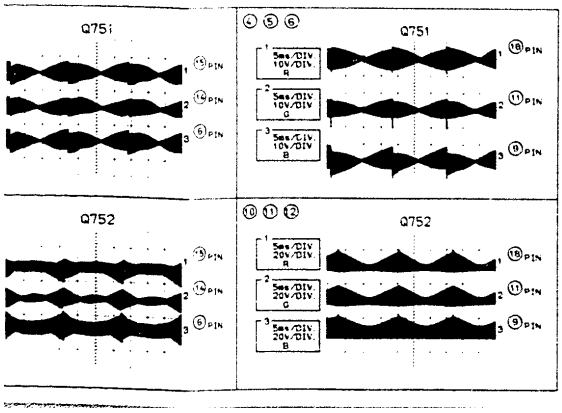
Marked with "⚠" have special characteristics should be replaced with identical parts only.

This diagram is the latest the time of copying, so it must be changed in accordance with all informed notices.


AUDIO +26.5V
REAR AMP
TA8200AH
+18V
-18V
+30V
(+15V/PU)
1CH (B-V)
2CH (G-V)
1CH (B-H)
2CH (G-H)
MC7805CT
MC7809CT
AN79M09F
2SC1815Y
2SA1012-Y
VD
HD
Q751
Q752
P722
P723
P712
PROTECT
TO DEF/POWER


R7742 3.3K
R7745 3.3K
R7744 2.2K
22K
R7743
Q757
C1815Y
R7746 22K
Q758
2SC1815Y
R7747 2.2K
R7749 330
C7760 0.47μ50V
R7751 470
2R0.27
+18V
Q759
2SA1015Y
C7761 47μ25V
R7783 330
C7770 0.47μ50V
R7784 470
Q768
2SA1015Y
R7785 2.2K
+30V
R7782 2R0.82
+30V
R7790 1/2R1.8K
R7791 1/2R680
R7792 470
Q771
R7788 10K
R7789 470
Q770
Q769
2SC1815Y
D7702
ERB12-01RK
(+15V/PU)
Q761
2SA1015Y
R7757 22K
C7762 47μ16V
R7758 2.2K
Q762
2SC1815Y
R7764 330
C7763 0.47μ50V
R7763 470
R7765 2R0.39
-18V

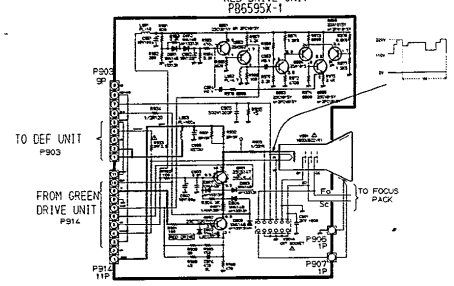
Q751 STK392-110
R7717 4.7K
1000P
C7729
R7710 3R68
R7711 2R2.2
R7708 4.7K
100P
C7722
Q752 STK392-110
R7732 4.7K
1000P
C7740
R7725 3R68
R7726 2R2.2
R7723 4.7K
100P
C7733
P713 7P
P714 9P
P715 9P
DRIVE
NC
RETURN
RED CONVER YOKE
BLUE CONVER YOKE
GREEN CONVER YOKE
P719


Q751
Q752
5ms/DIV 10V/DIV
5ms/DIV 20V/DIV

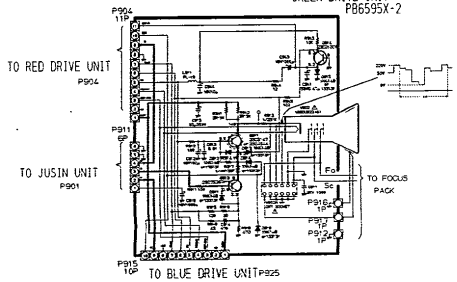
SCHEMATIC DIAGRAM **MODEL : 48PJ6DG / 55PJ6DG** **(5/5)**

030-9623

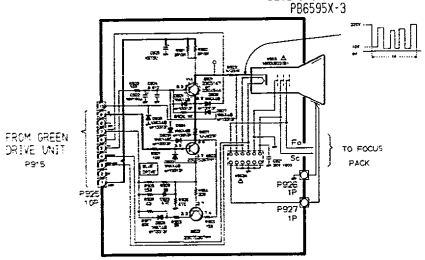
RED DRIVE UNIT
PB6595X-1

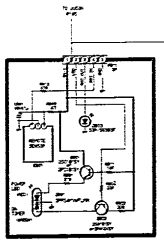


GREEN DRIVE UNIT
PB6595X-2

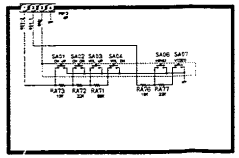


BLUE DRIVE UNIT
PB6595X-3

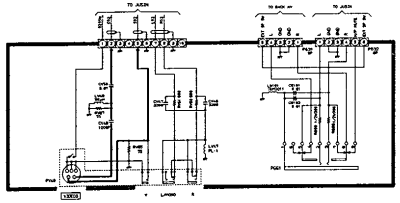




RMT IN UNIT PB6595X-5



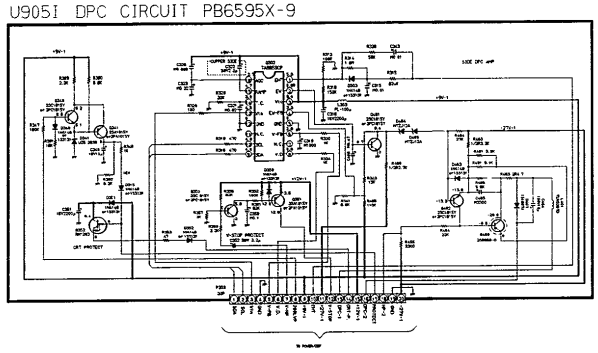
FRONT CONT UNIT PB6595X-6



FRONT IN UNIT PB6595X-7

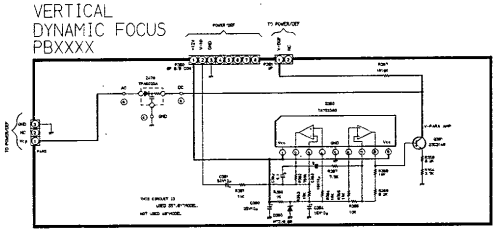
DPC

U905I DPC CIRCUIT PB6595X-9

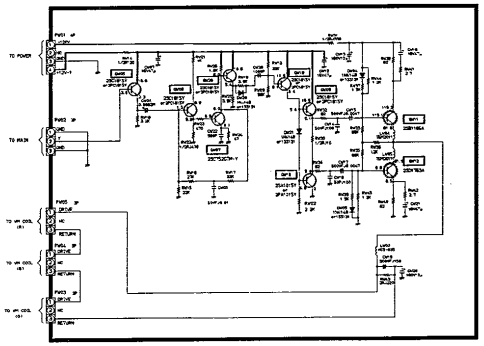


VERTICAL
DYNAMIC FOCUS

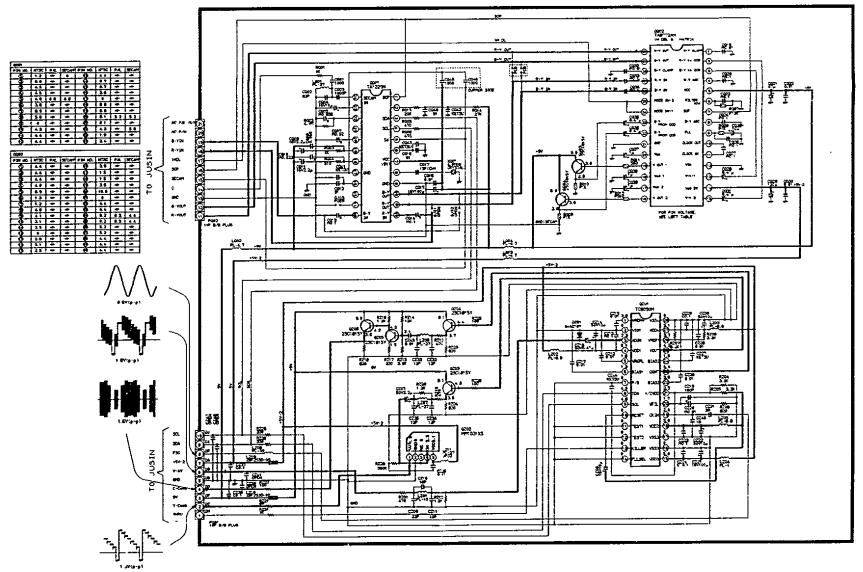
UD01
VERTICAL
DYNAMIC FOCUS
PBXXXX



SVM UNIT PB6595X-4



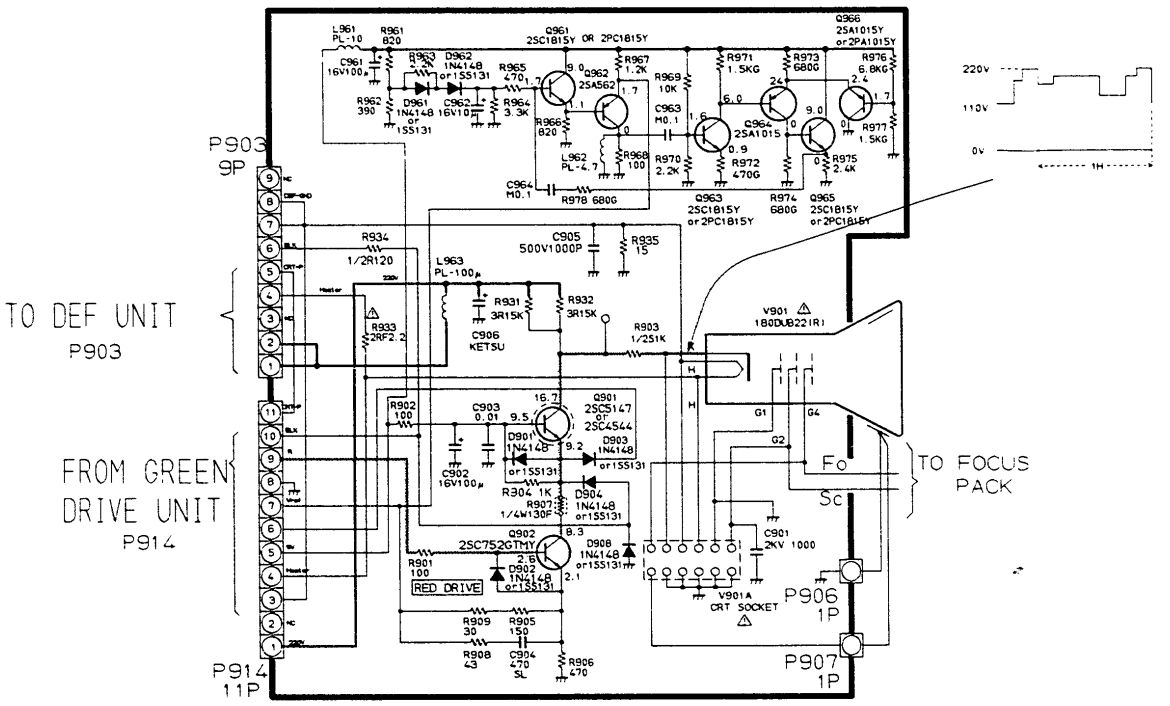
U906 COMB/1H DL/SECAM BOARD PB5661X



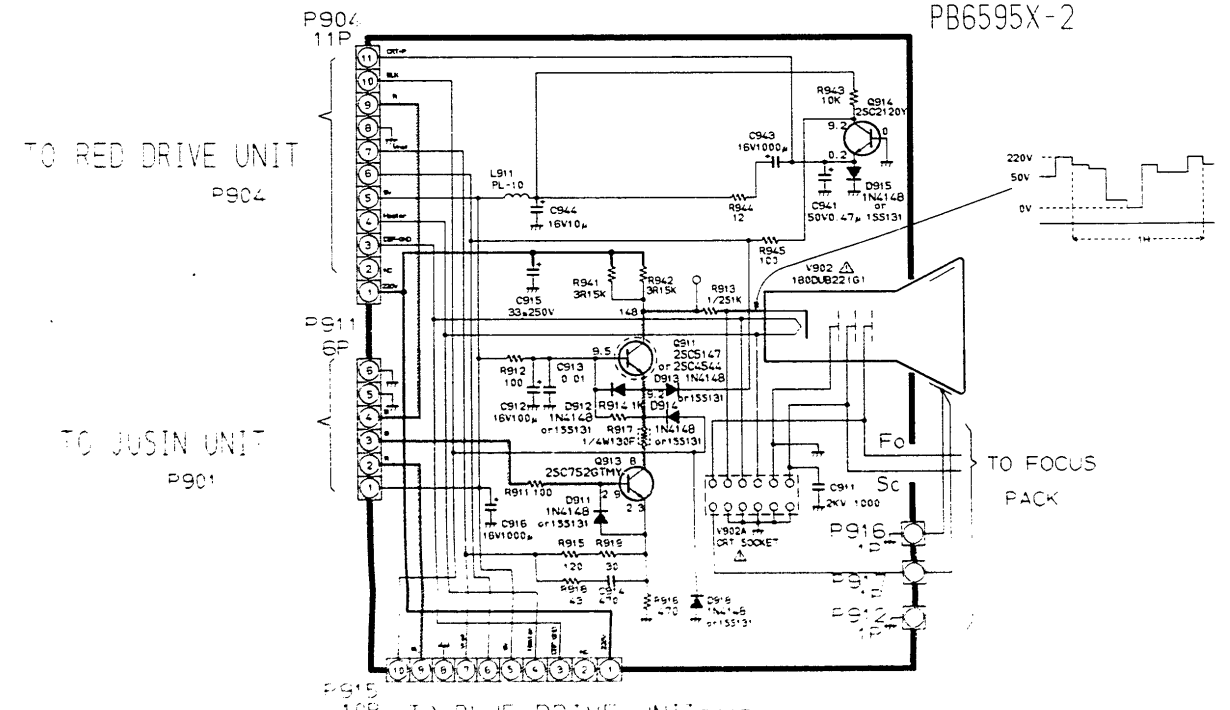
SCHEMATIC DIAGRAM MODEL : 48P.

030 -9623

RED DRIVE UNIT
PB6595X-1

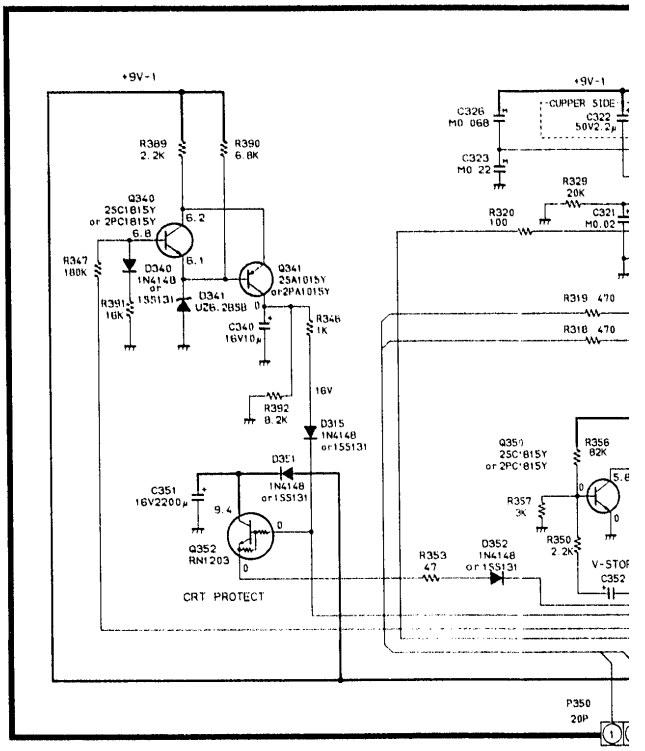


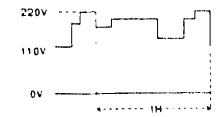
GREEN DRIVE UNIT
PB6595X-2



)EL : 48PJ6DG / 55PJ6DG (5/5)

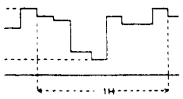
U905I DPC CIRCUIT PB65



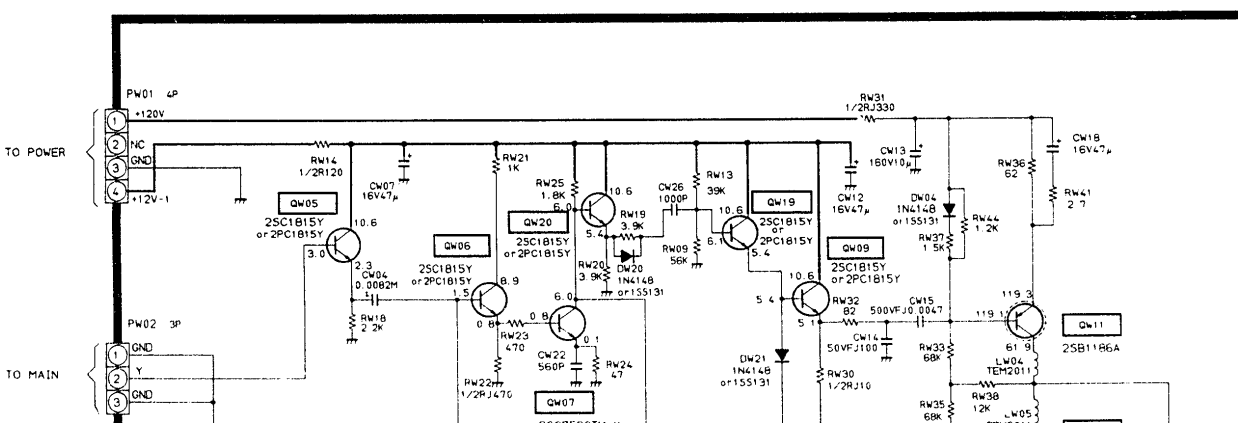


FOCUS
PACK

-2



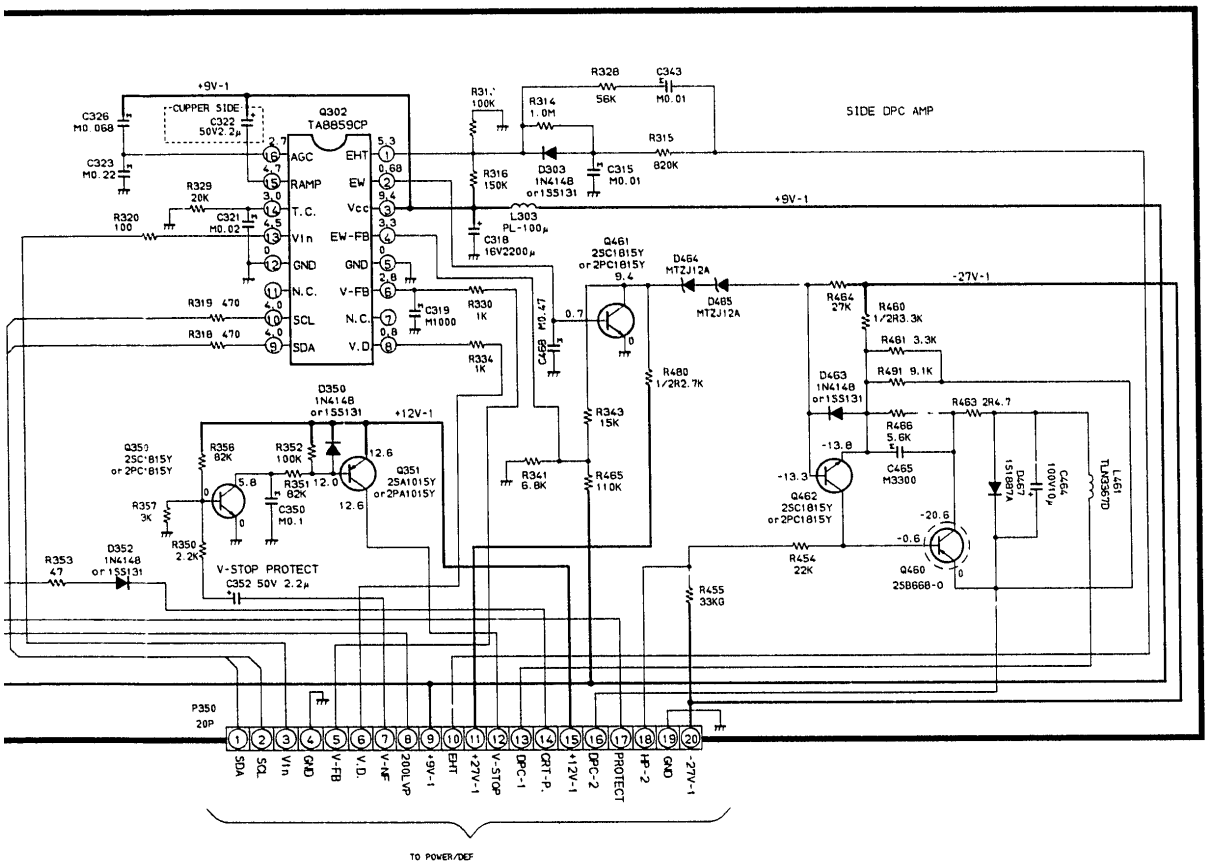
SVM UNIT PB6595X-4



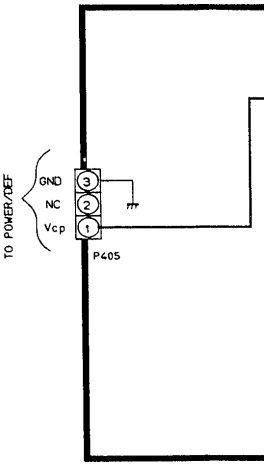
OCUS
CK

DPC

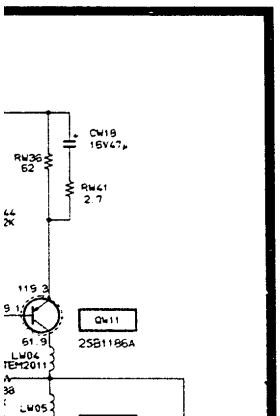
CUIT PB6595X-9



UD01
VERTICA
DYNAMIC
PBXXXX

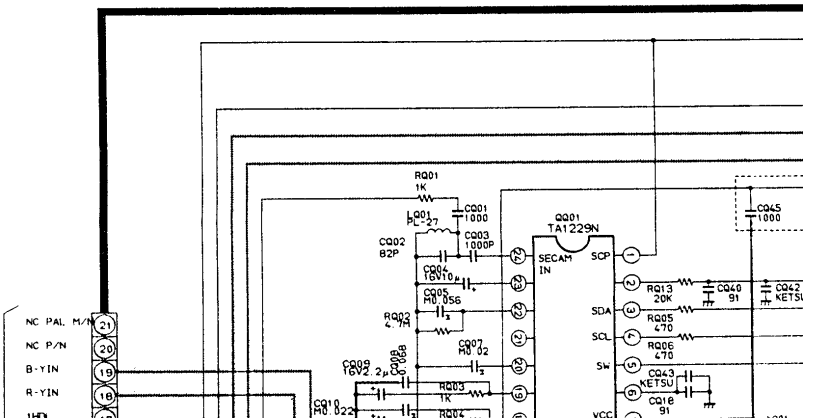


U906 COMB/1H DL/SECAM BOA



Q001							
PIN NO.	NTSC	PAL	SECAM	PIN NO.	NTSC	PAL	SECAM
①	1.2	←	0	⑬	4.4	←	←
②	8.0	←	←	⑭	0.7	←	←
③	4.5	←	←	⑮	0.7	←	←
④	4.5	←	←	⑯	3.6	←	←
⑤	4.0	0.8	0.6	⑰	0	←	←
⑥	3.6	←	←	⑱	6.8	←	←
⑦	8.9	←	←	⑲	6.8	←	←
⑧	5.6	←	←	⑳	6.1	5.2	5.2
⑨	0	←	←	㉑	8.1	←	←
⑩	4.3	←	←	㉒	4.3	←	5.6
⑪	4.4	←	←	㉓	1.9	←	←
⑫	4.4	←	←	㉔	3.4	←	←

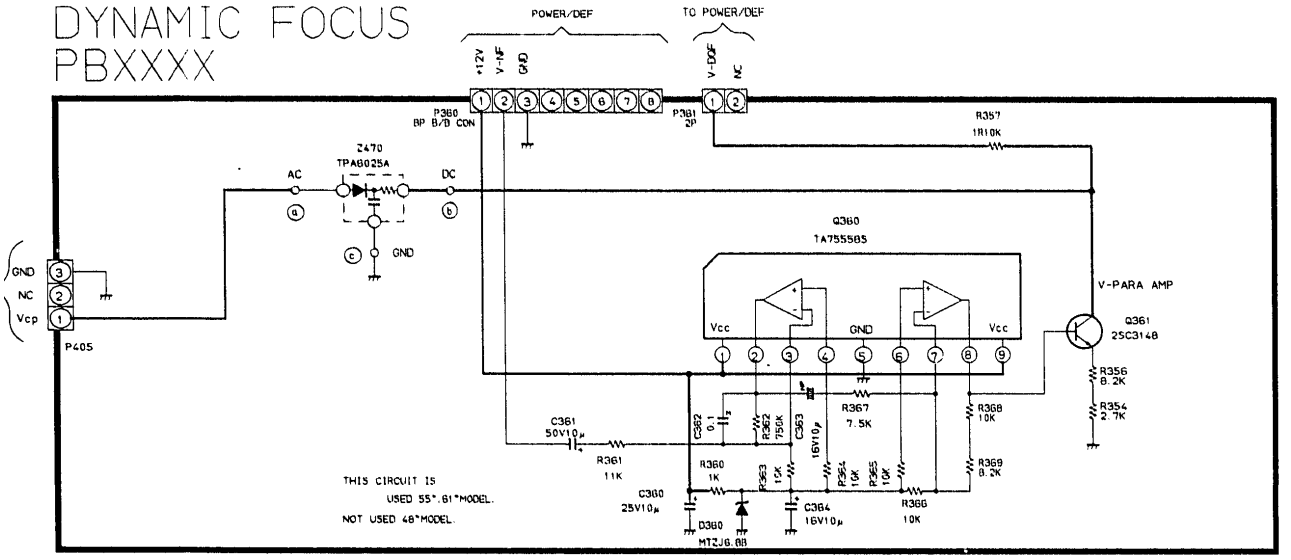
Q002							
PIN NO.	NTSC	PAL	SECAM	PIN NO.	NTSC	PAL	SECAM



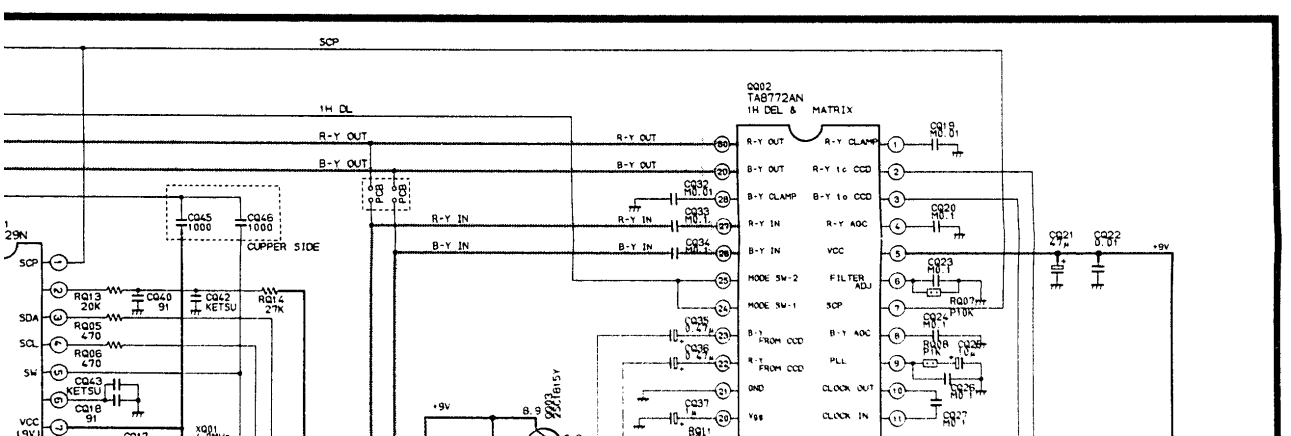
VERTICAL DYNAMIC FOCUS

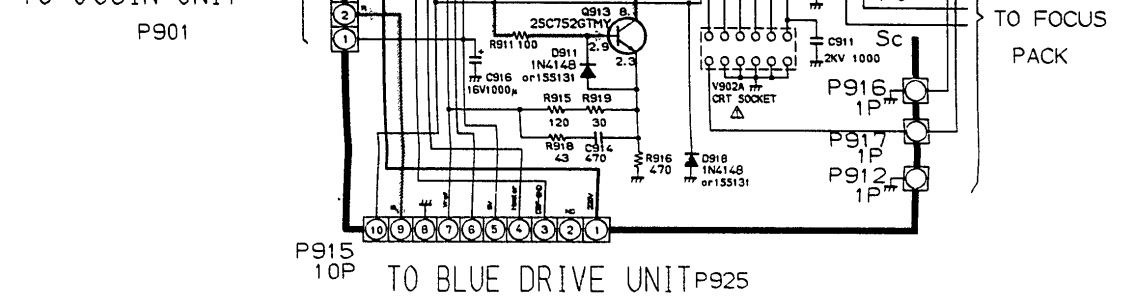
48PJ6DB 48PJ6DG	55PJ6DB 55PJ6DG
台 L	(PB5925)

UD01 VERTICAL DYNAMIC FOCUS PBXXXX

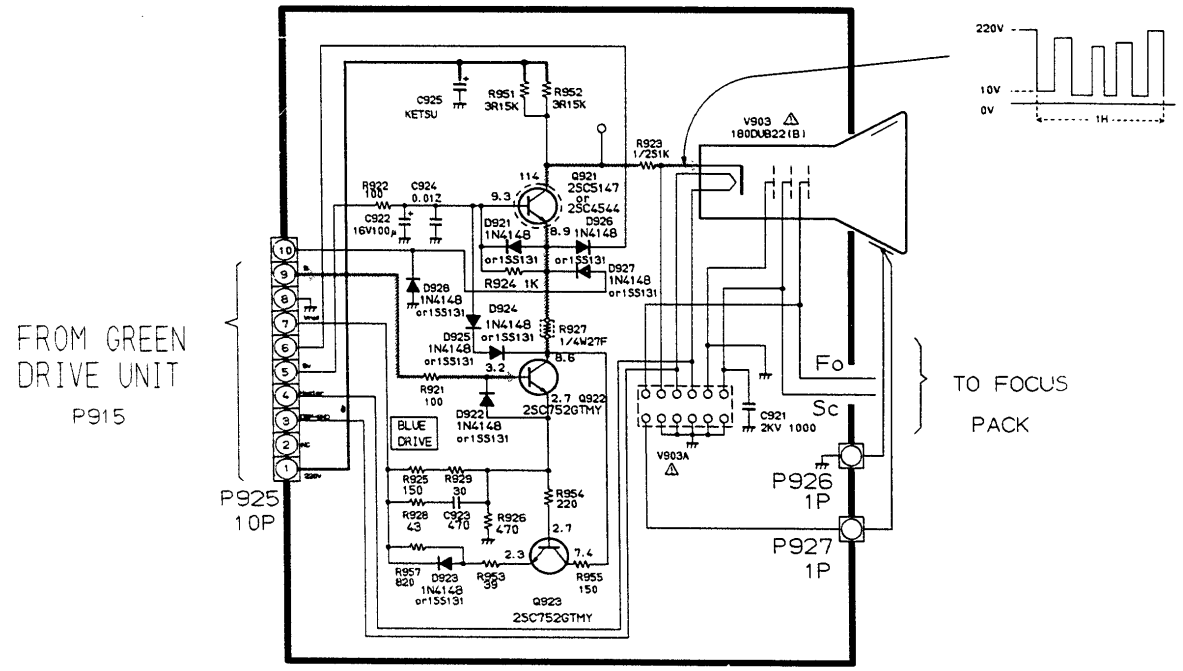


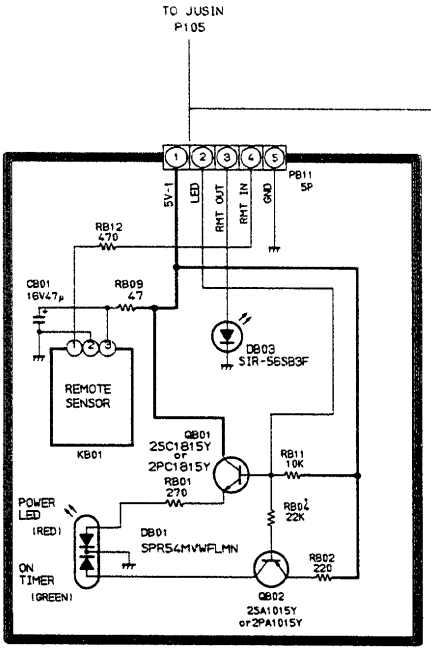
SECAM BOARD PB5661X



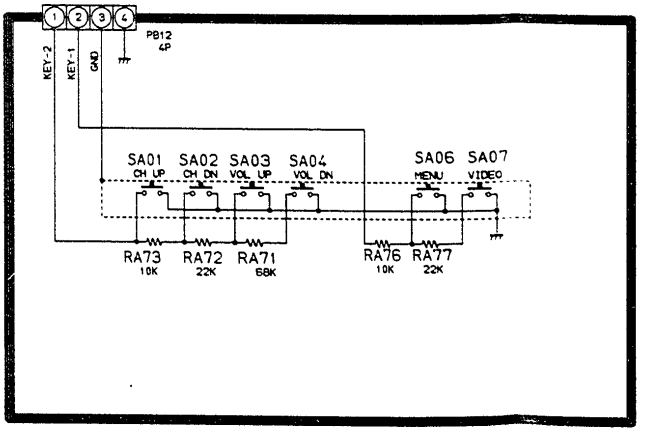


BLUE DRIVE UNIT
PB6595X-3





RMT IN UNIT PB6595X-5



FRONT CONT UNIT PB6595X-6

FOCUS

ACK

IIT

220V

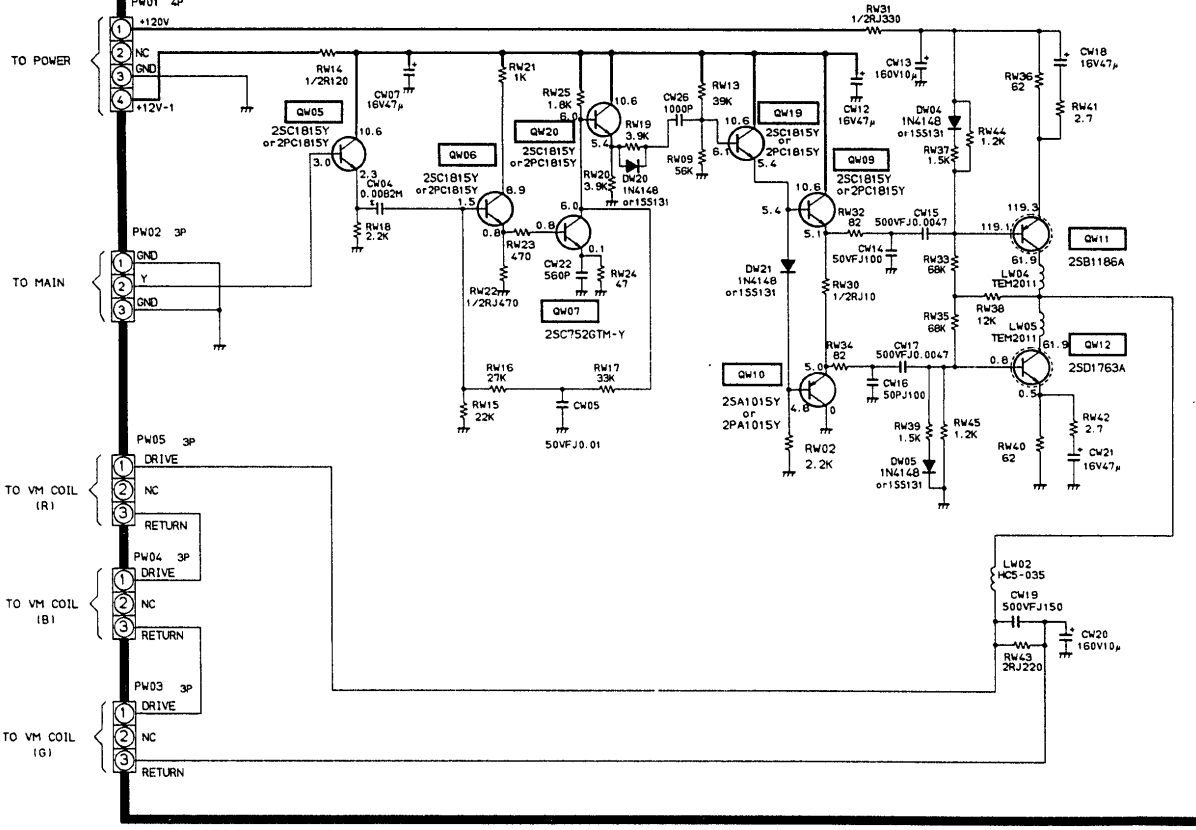
10V

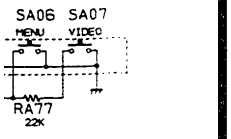
0V

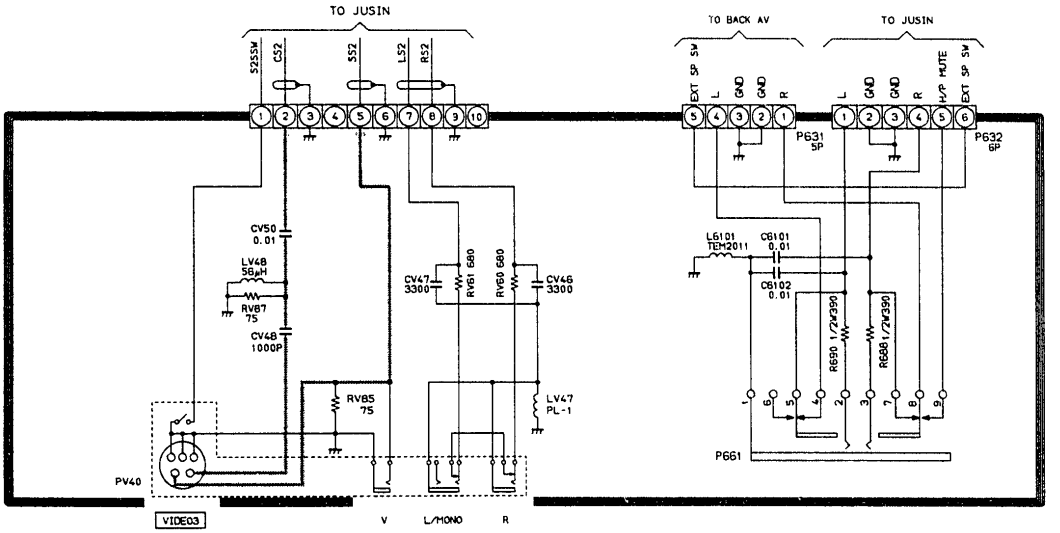
1H

TO FOCUS

PACK







B6595X-5

FRONT IN UNIT PB6595X-7

NOTE

1. RES

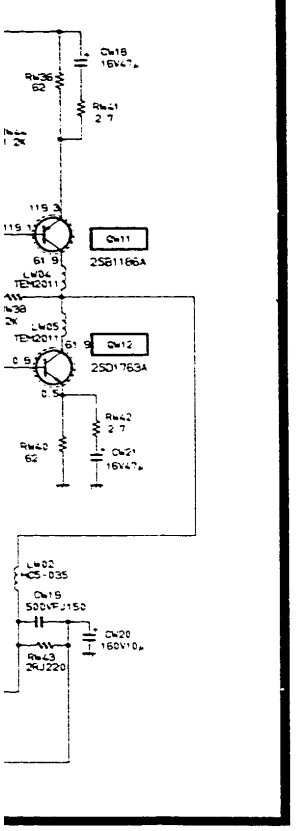
2. CAPA

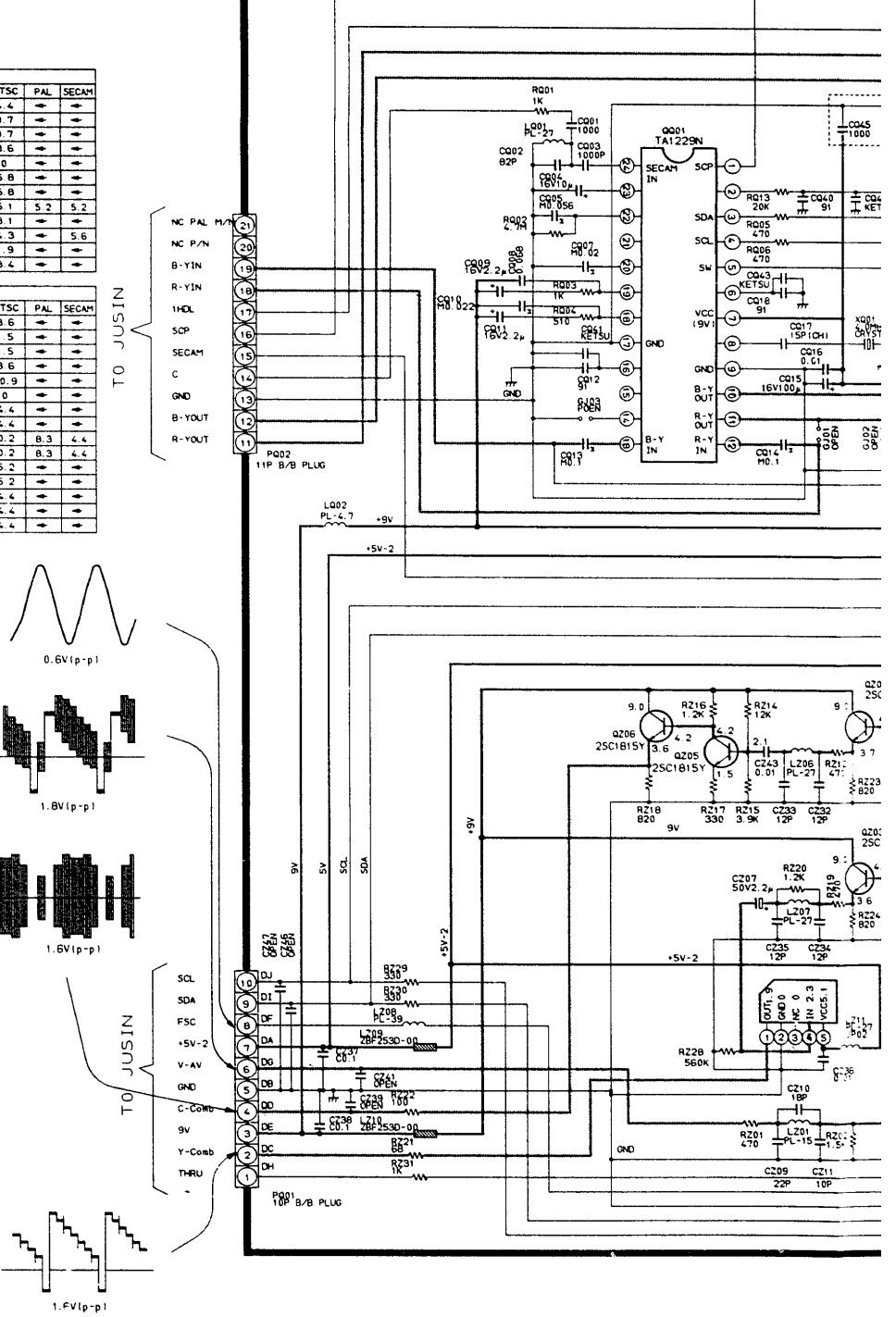
3. The

4. Thi
mod

QQ01							
PIN NO.	NTSC	PAL	SECAM	PIN NO.	NTSC	PAL	SECAM
①	1.2	⇒	0	⑬	4.4	⇒	⇒
②	6.0	⇒	⇒	⑭	0.7	⇒	⇒
③	4.5	⇒	⇒	⑮	0.7	⇒	⇒
④	4.5	⇒	⇒	⑯	3.6	⇒	⇒
⑤	4.0	0.8	0.6	⑰	0	⇒	⇒
⑥	3.6	⇒	⇒	⑱	6.8	⇒	⇒
⑦	8.9	⇒	⇒	⑲	6.8	⇒	⇒
⑧	5.6	⇒	⇒	⑳	6.1	5.2	5.2
⑨	0	⇒	⇒	㉑	8.1	⇒	⇒
⑩	4.3	⇒	⇒	㉒	4.3	⇒	5.6
⑪	4.4	⇒	⇒	㉓	1.9	⇒	⇒
⑫	4.4	⇒	⇒	㉔	3.4	⇒	⇒

QQ02							
PIN NO	NTSC	PAL	SECAM	PIN NO.	NTSC	PAL	SECAM
①	4.4	⇒	⇒	⑫	3.6	⇒	⇒
②	4.4	⇒	⇒	⑬	1.5	⇒	⇒
③	4.4	⇒	⇒	⑭	1.5	⇒	⇒
④	4.0	⇒	⇒	⑮	3.6	⇒	⇒
⑤	8.9	⇒	⇒	⑯	10.9	⇒	⇒
⑥	1.3	⇒	⇒	⑰	0	⇒	⇒
⑦	1.2	⇒	⇒	⑱	4.4	⇒	⇒
⑧	4.0	⇒	⇒	⑲	4.4	⇒	⇒
⑨	4.1	⇒	⇒	⑳	0.2	8.3	4.4
⑩	2.1	⇒	⇒	㉑	0.2	8.3	4.4
⑪	2.5	⇒	⇒	㉒	5.2	⇒	⇒
⑫	0	⇒	⇒	㉓	5.2	⇒	⇒
⑬	2.6	⇒	⇒	㉔	4.4	⇒	⇒
⑭	5.1	⇒	⇒	㉕	4.4	⇒	⇒
⑮	2.5	⇒	⇒	㉖	4.4	⇒	⇒





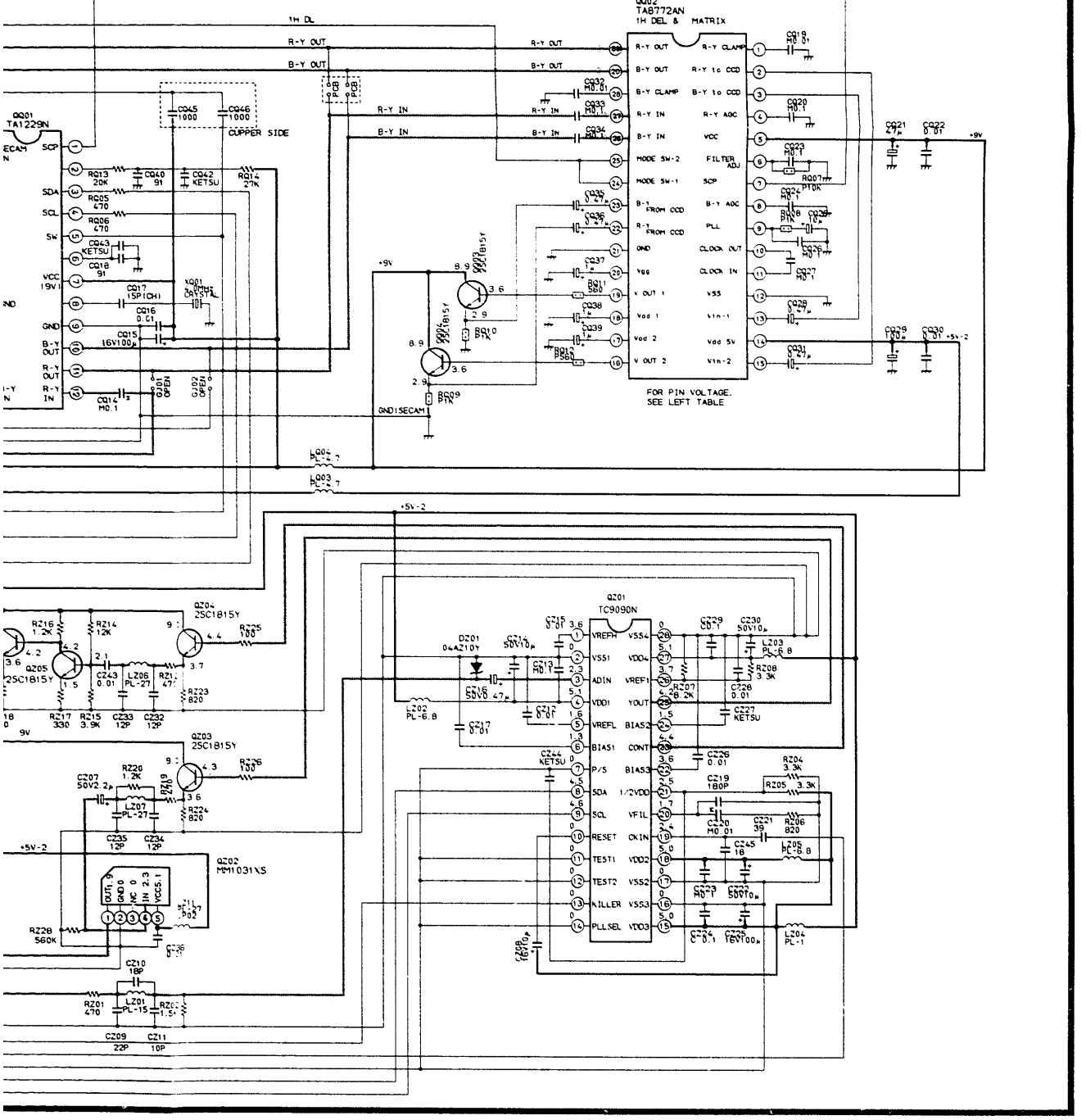
NOTE:

1. RESISTOR — Resistance is shown in ohm (K = 1,000, M = 1,000,000) All resistors are 1/6W and 5% tolerance carbon resistor, unless otherwise noted as the following marks.
   1/2R : Metal or Metal oxide of 1/2 watt 1/2S : Solid of 1/2 watt
   1RF : Fuse resistor of 1 watt 10W : Cement of 10 watts
   K = ±10% G = ±2% F = ±1%

2. CAPACITOR — Unless otherwise noted in schematic, all capacitor valuse less than 1 are expressed in μF, and the values more than 1 in pF.
   All capacitors are ceramic 50V, unless otherwise noted as the following marks.
   Electrolitic capacitor Mylar capacitor

3. The parts indicated with "△" have special characteristics should be replaced with identical parts only.

4. This schematic diagram is the latest the time of copying, so it must be changet in acordance with all informed modification notices.


1H DL
R-Y OUT
B-Y OUT
R-Y IN
B-Y IN
COPPER SIDE
Q001
TA1229N
Q002
TA8772AN
1H DEL & MATRIX
R-Y OUT
B-Y OUT
B-Y CLAMP
R-Y IN
B-Y IN
MODE SW-2
MODE SW-1
B-Y FROM CCD
R-Y FROM CCD
GND
Vgg
V OUT 1
Vdd 1
Vdd 2
V OUT 2
R-Y CLAMP
B-Y to CCD
R-Y to CCD
R-Y AGC
B-Y AGC
VCC
FILTER ADJ
SCP
PLL
CLOCK OUT
CLOCK IN
VSS
Vin-1
Vdd 5V
Vin-2
FOR PIN VOLTAGE,
SEE LEFT TABLE
+9V
GND1SECAM
+5V-2
Q201
TC9090N
VREFH
VSS1
ADIN
VDD1
VREFL
BIAS1
P/S
SDA
SCL
RESET
TEST1
TEST2
KILLER
PLLSEL
VSS4
VDD4
VREF1
YOUT
BIAS2
CONT
BIAS3
1/2VDD
VFIL
CKIN
VDD2
VSS2
VSS3
VDD3
Q202
MM1031XS
Q203
2SC1815Y
Q204
2SC1815Y
Q205
2SC1815Y